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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1896.

DAILY WEATHER REPORT.

July to December 1896.

DAILY WEATHER REPORT,

JULY TO DECEMBER, 1896.

PREFACE.

The six Tables following give for each Month and the Whole Year, the Means of Pressure, the Means and Extremes of Temperature, and the Mean amounts of Rainfall and Bright Sunshine, with which the current values in the Daily Weather Report may be compared.

(Issued in Continuation of those Published in 1891.)

TABLE I.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF BAROMETRIC PRESSURE FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS MADE AT 8 A.M. DAILY DURING THE 25 YEARS 1871—95.

STATIONS.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.	ANNUAL	LIMITS OF YEARS OF ACTUAL OBSERVATIONS.	NO. OF YEARS.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Sumburgh Head	29·676	29·772	29·737	29·860	29·889	29·898	29·789	29·767	29·793	29·712	29·693	29·656	29·770	1872—1895	24
Stornoway -	29·688	29·775	29·772	29·845	29·893	29·894	29·800	29·782	29·814	29·743	29·703	29·688	29·783	1873—1895	23
Wick - -	29·715	29·800	29·781	29·866	29·907	29·916	29·813	29·798	29·831	29·747	29·728	29·699	29·800	1871—1895	25
Nairn - -	29·744	29·815	29·802	29·868	29·912	29·917	29·817	29·803	29·843	29·763	29·743	29·727	29·813	,, ,, ,,	25
Aberdeen - -	29·786	29·853	29·821	29·885	29·926	29·933	29·831	29·819	29·863	29·779	29·772	29·758	29·836	,, ,, ,,	25
Leith- - -	29·821	29·873	29·849	29·887	29·936	29·943	29·846	29·835	29·887	29·805	29·798	29·797	29·856	,, ,, ,,	25
Shields - -	29·871	29·908	29·873	29·891	29·947	29·959	29·866	29·858	29·910	29·826	29·824	29·836	29·881	,, ,, ,,	25
Spurn Head -	29·911	29·938	29·891	29·887	29·956	29·971	29·896	29·894	29·947	29·847	29·854	29·870	29·905	1880—1895	16
York- - -	29·922	29·945	29·904	29·901	29·965	29·979	29·899	29·895	29·948	29·862	29·859	29·886	29·914	1873—1895	23
Loughborough -	29·958	29·972	29·931	29·905	29·976	29·991	29·927	29·923	29·971	29·886	29·888	29·922	29·938	1871—1895	25
Ardrossan - -	29·834	29·880	29·861	29·879	29·938	29·944	29·856	29·843	29·892	29·813	29·799	29·809	29·862	,, ,, ,,	25
Malin Head -	29·795	29·844	29·842	29·855	29·918	29·934	29·851	29·830	29·869	29·798	29·755	29·768	29·838	1885—1895	11
Belmullet - -	29·830	29·870	29·882	29·863	29·941	29·953	29·889	29·867	29·904	29·846	29·799	29·822	29·872	,, ,, ,,	11
Donaghadee -	29·854	29·894	29·883	29·883	29·952	29·959	29·880	29·869	29·916	29·834	29·819	29·840	29·882	1873—1895	23
Liverpool - -	29·918	29·943	29·911	29·892	29·965	29·976	29·905	29·898	29·947	29·862	29·862	29·891	29·914	1871—1895	25
Holyhead - -	29·897	29·923	29·906	29·880	29·961	29·976	29·909	29·898	29·941	29·854	29·845	29·876	29·906	,, ,, ,,	25
Parsonstown -	29·895	29·915	29·925	29·883	29·963	29·981	29·914	29·908	29·948	29·877	29·852	29·891	29·913	1873—1895	23
Valencia - -	29·894	29·917	29·929	29·871	29·967	29·984	29·937	29·921	29·961	29·879	29·867	29·900	29·919	1871—1895	25
Roche's Point -	29·909	29·927	29·930	29·873	29·964	29·983	29·933	29·921	29·963	29·876	29·869	29·908	29·921	,, ,, ,,	25
Pembroke - -	29·932	29·948	29·930	29·875	29·965	29·983	29·933	29·923	29·962	29·871	29·871	29·914	29·926	,, ,, ,,	25
Scilly - -	29·960	29·964	29·946	29·872	29·975	30·002	29·969	29·958	29·982	29·892	29·898	29·950	29·947	,, ,, ,,	25
Prawle Point -	29·991	29·996	29·960	29·890	29·988	30·010	29·977	29·968	30·004	29·910	29·917	29·970	29·965	1879—1895	17
Jersey - -	30·012	30·016	29·965	29·893	29·992	30·019	29·998	29·987	30·003	29·913	29·937	29·993	29·977	1876—1895	20
Hurst Castle -	29·991	29·996	29·955	29·893	29·983	30·007	29·963	29·962	30·002	29·906	29·912	29·962	29·961	1874—1895	22
Dover - -	29·992	29·990	29·936	29·884	29·968	29·989	29·950	29·945	29·981	29·898	29·904	29·954	29·949	1871—1895	25
London - -	29·991	29·996	29·949	29·901	29·982	30·001	29·953	29·951	29·991	29·907	29·910	29·956	29·957	,, ,, ,,	25
Oxford - -	29·987	29·994	29·951	29·907	29·984	29·996	29·943	29·944	29·985	29·906	29·908	29·956	29·955	,, ,, ,,	25
Cambridge -	29·979	29·987	29·941	29·904	29·978	29·994	29·934	29·933	29·979	29·895	29·901	29·941	29·947	1873—1895	23
Yarmouth - -	29·960	29·967	29·916	29·894	29·966	29·983	29·923	29·920	29·959	29·874	29·879	29·915	29·930	1871—1895	25

NOTE.—When the records available have not extended over the whole of the period 1871—95 the following rules have been observed for purposes of interpolation :—

(1) Where the observations available have not covered a period of eleven years or more they have been rejected.

(2) When the observations have covered a period of eleven years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent stations.

At the North Foreland the observations are insufficient in point of duration to furnish averages of any great value.

TABLE II.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN

MONTH AND FOR THE WHOLE YEAR, DERIVED FROM

STATIONS.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.
	°	°	°	°	°	°	°	°	°	°	°	°
Sumburgh Head	39·4	38·0	38·6	37·2	38·5	37·0	42·1	40·4	46·1	44·1	50·5	48·7
Stornoway	39·1	38·2	38·9	38·0	39·2	38·2	43·8	42·3	48·4	46·5	53·4	51·4
Wick	37·9	36·6	37·7	36·4	38·9	37·2	43·3	41·3	48·1	45·7	53·4	50·8
Nairn	36·9	35·4	36·7	35·1	37·9	36·2	43·0	40·7	48·8	45·7	54·4	51·0
Aberdeen	36·9	35·2	36·9	35·2	38·6	36·5	43·5	40·8	48·9	45·4	54·8	50·8
Leith	38·2	36·7	38·1	36·7	39·3	37·6	44·2	41·8	50·1	46·7	55·9	52·3
Shields	37·7	36·5	38·3	36·9	39·3	37·7	43·6	41·4	49·0	46·0	54·9	51·8
Spurn Head	37·3	36·3	38·1	37·2	39·7	38·3	44·1	42·4	49·4	47·3	55·3	52·8
York	36·2	35·2	37·0	36·0	38·5	36·9	43·7	41·6	49·9	46·8	56·1	52·7
Loughborough	35·8	34·8	36·7	35·5	38·6	36·9	44·1	41·8	51·0	47·6	57·7	53·8
Ardrossan	39·5	38·4	39·2	38·0	40·1	38·6	44·6	42·4	49·8	47·0	55·3	52·3
Malin Head	40·6	39·0	41·0	39·5	41·0	39·3	44·2	42·2	48·7	46·3	53·6	51·2
Belmullet	42·3	41·0	42·3	40·7	43·2	41·4	46·5	44·3	51·0	48·2	56·2	53·2
Donaghadee	39·7	38·9	40·0	39·1	40·7	39·5	44·8	43·1	49·7	47·6	55·1	53·0
Liverpool	38·1	36·5	38·5	37·0	40·2	38·1	45·2	42·2	50·9	47·0	57·0	52·8
Holyhead	41·3	40·0	41·1	39·8	42·0	40·5	46·0	44·0	50·6	48·1	55·9	53·4
Parsonstown	38·3	37·3	39·1	37·8	40·1	38·6	45·1	42·7	51·0	47·9	56·2	52·9
Valencia	44·0	42·7	44·3	42·6	44·8	42·8	48·4	45·9	52·9	49·7	57·4	54·5
Roche's Point	42·7	41·4	43·0	41·4	43·3	41·5	47·0	44·7	51·8	49·0	57·0	53·8
Pembroke	42·2	40·8	41·8	40·5	42·1	40·4	45·4	43·7	50·0	47·9	55·4	53·4
Scilly	46·0	44·4	45·7	44·1	46·0	44·1	48·8	46·8	52·7	50·4	57·5	55·3
Prawle Point	41·3	40·3	41·2	40·2	42·7	41·2	46·6	44·9	51·7	49·5	57·1	54·7
Jersey	41·5	40·0	42·0	40·6	44·0	41·9	48·8	46·1	53·8	50·6	59·0	55·9
Hurst Castle	39·6	38·8	39·8	38·8	41·0	39·9	45·8	44·4	51·9	50·1	57·9	55·7
Dover	38·4	37·4	38·8	37·7	40·6	39·2	46·4	44·1	52·5	49·4	58·2	55·0
London	37·1	36·0	38·1	36·8	40·0	38·1	46·2	43·2	52·7	48·6	58·9	54·6
Oxford	36·4	35·4	37·3	36·1	38·7	37·2	44·4	42·1	50·8	47·6	56·8	53·3
Cambridge	35·6	34·8	36·7	35·7	38·8	37·4	45·7	43·0	51·9	48·6	58·1	54·7
Yarmouth	37·0	36·1	37·8	36·9	40·1	38·5	44·7	43·0	50·6	48·1	56·8	54·0

NOTE.—When the records available have not extended over the whole of the period 1871 to 1895, the

(1) Where the observations available have not covered a period of eleven years or more they have

(2) When the observations have covered a period of eleven years or more the means have been

At the North Foreland the observations are

VALUES OF THE DRY BULB AND WET BULB TEMPERATURES FOR EACH

OBSERVATIONS MADE AT 8 A.M. DAILY DURING THE 25 YEARS 1871-95.

JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		ANNUALS.		Limits of Years of Actual Observations.	Number of Years.
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.		
°	°	°	°	°	°	°	°	°	°	°	°	°	°		
53·3	51·7	53·4	51·8	50·8	49·1	45·9	44·2	42·3	40·6	39·8	38·3	45·1	43·4	1871—1895	25
55·4	53·7	55·0	53·5	51·5	50·2	45·4	44·3	42·0	41·0	39·6	38·7	46·0	44·7	,, ,, ,,	25
55·8	53·6	55·3	53·4	52·0	50·1	46·1	44·5	41·6	40·1	38·3	37·1	45·7	43·9	,, ,, ,,	25
56·7	53·4	55·7	53·0	51·5	49·1	44·5	42·6	40·0	38·4	37·2	35·7	45·3	43·0	,, ,, ,,	25
57·4	53·7	56·6	53·5	52·3	49·8	45·4	43·4	40·7	38·9	37·0	35·3	45·8	43·2	,, ,, ,,	25
58·3	54·7	57·6	54·4	53·3	50·8	46·4	44·5	41·8	40·1	38·7	37·2	46·8	44·5	,, ,, ,,	25
58·1	54·9	57·3	54·6	53·2	51·0	46·9	45·1	42·4	40·8	38·4	37·0	46·6	44·5	,, ,, ,,	25
59·4	56·6	58·9	56·6	55·6	53·8	48·8	47·3	43·5	42·2	38·9	37·8	47·4	45·7	1880—1895	16
59·1	55·8	57·8	55·1	52·9	51·0	45·6	44·2	40·9	39·7	36·6	35·6	46·2	44·2	1873—1895	23
60·9	57·2	59·2	56·3	53·6	51·9	45·6	44·3	40·7	39·5	36·4	35·4	46·7	44·6	,, ,, ,,	23
57·3	54·7	57·3	55·0	53·7	51·6	47·6	45·7	43·3	41·6	40·3	39·1	47·3	45·4	1871—1895	25
55·9	53·7	56·1	53·9	53·5	51·1	48·2	46·1	43·9	42·0	41·3	39·6	47·3	45·3	1885—1895	11
57·5	54·9	57·8	55·2	55·1	52·7	49·4	46·4	45·3	43·3	42·8	40·9	49·1	46·9	,, ,, ,,	11
57·3	55·4	56·9	55·4	53·6	52·4	47·6	46·3	43·4	42·3	40·4	39·5	47·4	46·0	1873—1895	23
59·3	55·4	58·6	55·3	54·7	52·0	47·6	45·5	42·7	40·9	39·0	37·3	47·7	45·0	1871—1895	25
58·1	55·8	58·4	56·2	55·8	53·6	50·1	48·0	45·9	44·2	42·8	41·2	49·0	47·1	,, ,, ,,	25
57·9	54·8	57·2	55·1	52·8	50·9	45·5	43·9	41·8	40·3	38·3	37·0	46·9	44·9	1873—1895	23
59·0	56·4	59·3	56·9	56·4	54·1	51·0	48·8	47·4	45·5	45·0	42·9	50·8	48·6	1871—1895	25
58·8	55·9	58·8	56·3	55·6	53·4	49·9	48·1	46·2	44·6	43·5	42·1	49·8	47·7	,, ,, ,,	25
57·9	55·9	58·6	56·6	56·2	54·0	51·0	49·1	47·1	45·4	43·9	42·6	49·3	47·5	,, ,, ,,	25
60·2	58·1	60·9	58·8	58·5	56·4	53·6	51·5	50·1	48·1	47·4	45·5	52·3	50·3	,, ,, ,,	25
59·5	57·2	60·0	57·9	57·2	55·3	51·0	49·4	46·4	44·9	42·8	41·4	49·8	48·1	1879—1895	17
62·0	58·9	63·0	59·7	60·2	57·2	53·3	50·6	48·0	46·0	43·5	41·7	51·6	49·1	1871—1895	25
61·1	58·8	61·2	59·0	57·3	55·7	50·7	49·1	45·3	44·3	40·9	40·1	49·4	47·9	1874—1895	22
61·7	58·4	61·9	58·7	57·9	55·5	50·2	48·4	44·7	43·3	40·0	38·9	49·3	47·2	1871—1895	25
61·8	57·6	60·9	57·3	55·8	53·4	47·5	45·9	42·5	41·1	38·0	36·8	48·3	45·8	,, ,, ,,	25
59·8	56·4	58·8	55·9	53·9	52·0	46·0	44·7	41·4	40·2	37·1	36·0	46·8	44·7	,, ,, ,,	25
61·1	57·6	59·9	57·1	54·6	52·9	46·3	45·3	41·0	40·1	36·4	35·6	47·2	45·2	1873—1895	23
60·7	57·6	60·5	57·5	56·4	54·4	49·1	47·6	43·4	42·2	38·1	37·1	47·9	46·1	1871—1895	25

following rules have been observed for purposes of interpolation :—

been rejected.

reduced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed stations having a complete record.

insufficient in point of duration to furnish averages of any great value.

TABLE III.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF THE DAILY

FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED

STATIONS.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.		
	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Sumburgh Head	42·5	35·2	38·9	42·2	34·4	38·3	42·8	34·0	38·4	46·2	36·9	41·6	50·3	40·3	45·3	54·6	45·0	49·8
Stornoway	42·9	34·0	38·5	43·6	34·2	38·9	44·9	34·2	39·6	49·2	37·1	43·2	53·5	41·0	47·3	58·2	46·0	52·1
Wick	42·0	32·9	37·5	42·9	32·9	37·9	44·9	33·8	39·4	49·3	37·0	43·2	53·9	40·7	47·3	58·9	45·5	52·2
Nairn	42·0	32·2	37·1	43·4	32·5	38·0	45·9	33·4	39·7	51·4	36·9	44·2	56·6	41·9	49·3	62·3	47·3	54·8
Aberdeen	42·0	32·8	37·4	43·1	33·3	38·2	45·7	34·3	40·0	49·6	38·0	43·8	54·9	41·9	48·4	61·0	47·2	54·1
Leith	43·9	33·3	38·6	45·5	33·9	39·7	48·0	34·4	41·2	52·2	37·9	45·1	57·8	42·4	50·1	63·9	48·0	56·0
Shields	42·7	33·5	38·1	43·9	34·4	39·2	46·2	34·8	40·5	49·3	38·4	43·9	54·5	42·7	48·6	60·6	48·5	54·6
Spurn Head	41·2	34·0	37·6	42·2	35·4	38·8	44·8	36·4	40·6	48·6	40·2	44·4	54·3	45·0	49·7	60·3	51·1	55·7
York	42·2	31·9	37·1	44·4	33·2	38·8	48·4	33·8	41·1	54·0	37·5	45·8	59·9	42·3	51·1	66·2	48·4	57·3
Loughborough	42·5	31·7	37·1	45·2	33·0	39·1	49·8	33·8	41·8	55·7	37·7	46·7	61·9	42·6	52·3	68·6	48·8	58·7
Ardrossan	43·7	35·7	39·7	44·4	35·9	40·2	46·4	36·1	41·3	51·7	39·4	45·6	56·6	43·9	50·3	62·1	49·4	55·8
Malin Head	45·0	37·6	41·3	45·5	38·3	41·9	46·5	38·5	42·5	50·1	41·7	45·9	54·3	45·5	49·9	59·0	50·8	54·9
Belmullet	46·4	38·7	42·6	47·2	38·8	43·0	48·4	39·3	43·9	52·2	42·7	47·5	55·7	46·3	51·0	60·8	51·4	56·1
Donaghadee	44·2	35·8	40·0	45·5	36·6	41·1	47·3	37·1	42·2	51·2	40·5	45·9	56·1	44·6	50 4	61·5	49·7	55·6
Liverpool	43·0	34·7	38·9	44·3	35·7	40·0	47·2	36·7	42·0	53·0	40·4	46·7	58·2	45·1	51·7	64·0	51·1	57·6
Holyhead	45·1	38·2	41·7	45·4	38·3	41·9	47·4	38·8	43·1	51·7	42·0	46·9	56·3	46·1	51·2	61·7	51·3	56·5
Parsonstown	45·0	33·6	39·3	46·8	35·1	41·0	49·9	34·9	42·4	54·9	38·2	46·6	59·7	42·8	51·3	64·9	48·5	56·7
Valencia	49·0	39·8	44·4	49·5	40·3	44·9	51·0	40·3	45·7	54·3	43·0	48·7	58·1	46·5	52·3	62·5	51·2	56·9
Roche's Point	47·3	38·9	43·1	48·2	39·4	43·8	49·7	39·5	44·6	53·8	42·4	48·1	58·7	46·3	52·5	64·3	51·3	57·8
Pembroke	45·1	39·0	42·1	45·3	39·0	42·2	46·6	39·0	42·8	50·7	42·0	46·4	55·1	46·0	50·6	60·5	51·6	56·1
Scilly	48·5	42·3	45·4	48·6	42·4	45·5	49·5	42·3	45·9	52·3	44·9	48·6	56·4	48·3	52·4	61·5	53·2	57·4
Prawle Point	45·7	37·0	41·4	46·6	37·8	42·2	48·2	37·7	43·0	52·3	41·1	46 7	56·9	45·4	51·2	61·7	50·7	56·2
Jersey	45·6	37·9	41·8	46·8	38·8	42·8	49·7	39·8	44·8	54·7	43·7	49·2	59·7	47·4	53·6	64·9	52·8	58·9
Hurst Castle	44·4	35·6	40·0	45·4	36·3	40·9	47·9	37·1	42·5	52·8	41·3	47·1	59·0	45·9	52·5	64·6	52·0	58·3
Dover	42·9	34·7	38·8	44·2	35·5	39·9	46·5	36·6	41·6	51·4	41·4	46·4	57·2	46·4	51·8	63·0	52·3	57·7
London	43·4	33·2	38·3	45·5	34·5	40·0	50·1	35·2	42·7	56·6	39·8	48·2	62·6	44·5	53·6	69·2	50·6	59·9
Oxford	42·5	32·9	37·7	44·9	34·2	39·6	49·3	34·5	41·9	55·2	38·8	47·0	61·0	43·5	52·3	67·1	49·9	58·5
Cambridge	42·7	30·9	36·8	45·5	32·1	38·8	50·6	32·9	41·8	56·7	37·1	46·9	62·4	42·1	52·3	68·8	48·4	58·6
Yarmouth	40·9	33·0	37·0	42·3	34·0	38·2	45·2	35·3	40·3	49·2	40·0	44·6	55·3	44·8	50·1	61·9	51·0	56·5

NOTE:—When the records available have not extended over the whole of the period 1871-95, the

(1) Where the observations available have not covered a period of eleven years or more, they have

(2) When the observations have covered a period of eleven years or more, the means have been

At the North Foreland the observations

MAXIMUM AND MINIMUM TEMPERATURES, AND OF THE MAXIMUM AND MINIMUM COMBINED, FROM OBSERVATIONS EXTENDING OVER THE 25 YEARS 1871—1895.

JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.			ANNUALS.			Limits of Years of Actual Observations.	Number of Years.
Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.		
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
57·5	48·3	52·9	57·7	48·5	53·1	55·0	46·1	50·6	49·7	41·6	45·7	45·8	38·2	42·0	42·8	35·5	39·2	48·9	40·3	44·6	1871—1895	25
60·2	49·0	54·6	59·8	49·1	54·5	56·5	45·8	51·2	50·8	40·3	45·6	46·4	37·1	41·8	43·3	34·4	38·9	50·8	40·2	45·5	,, ,, ,,	25
61·6	48·9	55·3	61·2	48·6	54·9	57·8	45·7	51·8	51·6	40·4	46·0	46·2	36·4	41·3	42·4	33·0	37·7	51·1	39·7	45·4	1872—1895	24
64·3	50·6	57·5	63·6	50·1	56·9	59·5	46·2	52·9	51·9	40·0	46·0	45·7	35·5	40·6	42·2	32·4	37·3	52·4	39·9	46·2	1871—1895	25
63·6	50·7	57·2	63·1	50·2	56·7	59·3	46·6	53·0	52·3	41·1	46·7	46·3	36·7	41·5	42·0	32·8	37·4	51·9	40·5	46·2	,, ,, ,,	25
66·4	51·2	58·8	65·8	51·3	58·6	62·0	47·5	54·8	54·5	41·4	48·0	48·2	37·1	42·7	44·1	33·7	38·9	54·4	41·0	47·7	,, ,, ,,	25
63·9	51·9	57·9	63·9	51·7	57·8	60·1	48·2	54·2	53·2	42·2	47·7	47·6	38·0	42·8	43·1	33·9	38·5	52·4	41·5	47·0	,, ,, ,,	25
64·8	54·9	59·9	64·4	54·9	59·7	60·7	52·5	56·6	53·3	45·5	49·4	47·1	40·4	43·8	42·6	35·4	39·0	52·0	43·8	47·9	1880—1895	16
68·5	51·8	60·2	67·8	51·4	59·6	63·2	47·5	55·4	54·4	41·0	47·7	47·7	36·6	42·2	42·5	32·4	37·5	54·9	40·7	47·8	1871—1895	25
71·1	52·5	61·8	70·3	52·0	61·2	65·4	47·6	56·5	55·6	40·9	48·3	48·4	36·7	42·6	43·0	32·3	37·7	56·5	40·8	48·7	,, ,, ,,	25
63·5	52·7	58·1	63·4	52·8	58·1	59·7	49·4	54·6	53·5	43·4	48·5	47·9	39·2	43·6	44·7	36·2	40·5	53·1	42·8	48·0	1872—1895	24
60·9	53·5	57·2	61·7	54·0	57·9	58·4	51·1	54·8	52·4	45·6	49·0	48·0	40·9	44·5	45·2	38·1	41·7	52·3	44·6	48·5	1885—1895	11
62·2	53·8	58·0	62·5	54·1	58·3	59·6	51·6	55·6	53·9	46·0	50·0	49·4	41·5	45·5	46·9	39·0	43·0	53·8	45·3	49·6	,, ,, ,,	11
63·2	52·2	57·7	62·5	52·6	57·6	60·0	49·4	54·7	53·6	43·3	48·5	48·5	39·4	44·0	45·8	36·3	41·1	53·3	43·1	48·2	1873—1895	23
65·9	54·1	60·0	65·6	54·3	60·0	61·5	50·9	56·2	63·7	44·5	49·1	48·0	39·7	43·9	43·8	35·7	39·8	54·0	43·6	48·8	1871—1895	25
63·7	54·2	59·0	64·0	54·7	59·4	60·8	52·5	56·7	54·6	47·0	50·8	49·8	42·9	46·4	46·5	39·2	42·9	53·9	45·4	49·7	1872—1895	24
66·2	51·4	58·8	65·7	51·5	58·6	61·7	47·2	54·5	54·6	40·4	47·5	49·1	37·0	43·1	45·1	33·5	39·3	55·3	41·2	48·3	,, ,, ,,	24
63·9	53·6	58·8	64·4	54·2	59·3	61·8	51·3	56·6	56·3	46·3	51·3	52·3	42·9	47·6	49·9	40·4	45·2	56·1	45·8	51·0	1871—1895	25
65·8	53·3	59·6	65·7	53·9	59·8	61·7	51·0	56·4	55·7	45·8	50·8	51·2	42·0	46·6	48·2	39·4	43·8	55·9	45·3	50·6	1872—1895	24
62·4	54·8	58·6	63·0	55·6	59·3	60·3	53·1	56·7	54·7	47·8	51·3	50·3	43·6	47·0	47·0	40·5	43·8	53·4	46·0	49·7	,, ,, ,,	24
64·4	56·2	60·3	64·9	56·9	60·9	62·0	54·8	58·4	56·6	50·0	53·3	52·6	46·6	49·6	49·8	43·6	46·7	55·6	48·5	52·1	1871—1895	25
64·4	53·8	59·1	65·1	54·5	59·8	62·5	52·3	57·4	56·5	46·1	51·3	51·2	42·1	46·7	47·3	38·5	42·9	54·9	44·8	49·9	1879—1895	17
68·2	56·3	62·3	68·8	57·2	63·0	65·8	54·9	60·4	58·3	48·7	53·5	52·3	44·3	48·3	47·7	39·7	43·7	56·9	46·8	51·9	1871—1895	25
67·7	55·5	61·6	68·1	56·0	62·1	64·6	52·3	58·5	57·1	45·8	51·5	50·7	41·0	45·9	45·9	36·7	41·3	55·7	44·6	50·2	1874—1895	22
66·7	56·0	61·4	67·3	56·6	62·0	63·7	53·2	58·5	56·3	46·1	51·2	49·7	40·9	45·3	44·7	35·9	40·3	54·5	44·6	49·6	1872—1895	24
72·0	54·0	63·0	71·6	53·5	62·6	66·5	49·6	58·1	56·6	42·7	49·7	49·6	38·3	44·0	44·3	34·0	39·2	57·3	42·5	49·9	1871—1895	25
69·4	53·3	61·4	69·1	53·0	61·1	64·3	48·8	56·6	55·4	42·0	48·7	48·5	37·7	43·1	43·2	33·6	38·4	55·8	41·9	48·8	,, ,, ,,	25
71·6	52·1	61·9	71·1	51·9	61·5	66·0	47·9	57·0	56·4	40·9	48·7	48·9	36·0	42·5	43·2	31·6	37·4	57·0	40·3	48·7	,, ,, ,,	25
66·2	54·8	60·5	66·3	54·7	60·5	62·3	51·3	56·8	54·3	44·6	49·5	47·7	39·2	43·5	42·2	33·8	38·0	52·8	43·0	47·9	1872—1895	24

following rules have been observed for purposes of interpolation :—

been rejected.

reduced to their approximate value for the whole period by comparison with the values at adjacent and similarly exposed Stations having a complete record.

are insufficient in point of duration to furnish averages of any great value.

TABLE V.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN RAINFALL FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS EXTENDING OVER THE 30 YEARS 1866 TO 1895.

STATIONS.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.	ANNUAL	LIMITS OF YEARS OF ACTUAL OBSERVATIONS.	NO. OF YEARS.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Sumburgh Head -	3·85	3·11	2·75	1·95	1·76	1·93	2·36	3·34	3·38	4·31	4·14	4·27	37·15	1871—1895	25
Stornoway - -	5·17	3·80	3·70	2·49	2·53	2·76	3·08	3·77	4·09	5·15	4·80	5·64	46·98	1855—1895	41
Wick - - -	2·24	2·16	1·99	1·63	1·77	1·75	2·52	2·68	2·51	3·14	2·93	3·17	28·49	1866—1895	30
Nairn - - -	1·98	1·65	1·68	1·21	1·68	1·73	2·73	2·80	2·48	2·51	2·14	1·94	24·53	,, ,, ,,	30
Aberdeen - -	2·38	2 26	2·23	1·96	2·01	1·80	2·84	3·15	2·89	3·05	3·16	3·11	30·84	,, ,, ,,	30
Leith - - -	1·78	1·51	1·41	1·46	1·70	1·79	2·80	2·74	2·19	2·03	2·05	1·89	23 35	,, ,, ,,	30
Shields - - -	1·72	1·50	1·74	1·65	1·64	1·71	2·69	2·86	2·30	2·58	2·39	2·32	25·10	,, ,, ,,	30
Spurn Head -	1·38	1·32	1·19	1·35	1·61	1·64	1·78	1·84	1·83	2·33	2·28	2·05	20·60	1880—1895	16
York - - -	1·84	1·68	1·66	1·68	1·87	2·21	2·78	2·62	2·45	2·74	2·21	2·21	25·95	1866—1895	30
Loughborough -	2·01	1·71	1·54	1·71	2·05	2·20	2·35	2·50	2·50	2·83	2·21	2·24	25·85	1872—1895	24
Ardrossan - -	3·89	2·93	2·30	2·03	2·28	2·32	2·86	3·91	3·38	3·82	3·78	3·66	37·16	1866—1895	30
Belmullet - -	**5·48**	**4·20**	**3·80**	**2·48**	**2·83**	**2·85**	**3·59**	**4·62**	**4·26**	**5·18**	**5·92**	**5·36**	**50·57**	1876—1895	20
Donaghadee - -	2·90	2·34	1·97	1·86	2·21	2·03	2·82	3·27	2·74	3·22	3·10	2·85	31·31	1873—1895	23
Liverpool - -	2·18	1·68	1·67	1·54	1·83	1·99	2·99	2·87	3·17	3·58	2·81	2·62	28·93	1866—1895	30
Holyhead - -	3·26	2·42	2·20	1·86	1·85	1·97	2·37	2·98	3·10	4·44	3·96	3·83	34·24	,, ,, ,,	30
Parsonstown -	2·99	2·16	2·20	2·04	2·31	2·34	2·98	3·67	2·92	3·12	2·86	3·09	32·68	,, ,, ,,	30
Valencia - -	6·31	4·89	3·87	3·67	3·13	3·34	4·23	4·85	4·38	5·57	5·63	5·93	55·80	1869—1895	27
Roche's Point -	5·33	4·19	3·38	3·06	3·01	3·07	3·18	4·03	3·74	4·16	4·79	5·16	47·10	1868—1895	28
Pembroke - -	3·71	2·62	2·26	1·89	1·96	1·88	2·53	2·88	3·32	4·11	4·04	3·96	35·16	1871—1895	25
Scilly - - -	3·63	2·62	2·28	2·15	1·69	1·76	2·47	2·54	3·28	3·77	3·80	4·00	33·99	,, ,, ,,	25
Prawle Point .	2·92	1·94	1·88	1·94	1·48	1·59	2·39	2·24	2·41	3·78	3·26	3·77	29·60	1879—1895	17
Jersey - - -	3·21	2·41	2·24	2·01	1·86	1·86	2·54	2·44	2·96	4·70	4·19	3·76	34·18	1866—1895	30
Hurst Castle -	2·86	2·10	1·78	1·72	1·64	1·83	2·39	2·37	2·76	3·60	3·11	2·77	28·93	,, ,, ,,	30
Dover - - -	2·47	1·81	1·74	1·61	1·66	1·52	2·05	2·07	2·53	3·43	3·30	2·79	26·98	,, ,, ,,	30
London - - -	2·06	1·64	1·43	1·70	1·77	1·99	2·48	2·36	2·17	2·82	2·31	2·11	24·84	,, ,, ,,	30
Oxford - - -	2·16	1·76	1·50	1·66	1·83	2·11	2·68	2·32	2·43	2·75	2·42	2·10	25·72	,, ,, ,,	30
Cambridge - -	1·52	1·42	1·34	1·56	1·87	2·14	2·62	2·39	2·13	2·41	2·07	1·82	23·29	,, ,, ,,	30
Yarmouth - -	1·96	1·73	1·73	1·63	1·83	1·86	2·89	2·30	2·64	3·11	2·92	2·53	27·13	,, ,, ,,	30

NOTE.—When the records available have not extended over the whole of the period 1866-1895, the following rules have been observed for purposes of interpolation :—

(1) Where the observations available have not covered a period of *sixteen* years, or more, they have been rejected.

(2) When the observations have covered a period of sixteen years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed stations.

(3) In the case of Belmullet the values could not be corrected in the manner described ; the values given above are therefore for twenty years only, and are printed in thick type.

At North Foreland and Malin Head the observations are insufficient in point of duration to furnish averages of any great value.

TABLE VI.—Showing, for certain TELEGRAPHIC REPORTING STATIONS for EACH MONTH and the WHOLE YEAR, the Mean Numbers of Hours of BRIGHT SUNSHINE, together with the PERCENTAGES of the POSSIBLE DURATION, in each instance —derived from Observations extending over the 15 years 1881 to 1895.

STATIONS.	Jan.		Feb.		Mar.		April.		May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Dec.		Annuals.		Limits of Years of Actual Observations.	Number of Years.
	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.	Hours.	Percentages.		
Stornoway	29·2	13	63·6	25	103·3	29	159·0	37	184·8	36	185·1	35	143·6	27	117·4	25	103·3	27	84·1	27	42·1	18	25·4	13	1240·9	28	1881—1895	15
Aberdeen	52·6	23	73·4	28	124·0	34	154·0	36	192·2	38	196·5	37	160·8	31	151·1	33	124·2	33	97·5	31	54·7	23	39·9	20	1420·9	32	,, ,, ,,	15
York	30·2	12	60·0	22	109·1	30	139·4	33	187·8	38	173·0	34	163·3	32	145·1	32	118·4	32	87·3	27	39·7	16	26·5	12	1279·8	29	,, ,, ,,	15
Parsonstown	50·8	21	68·0	25	114·7	32	155·8	38	180·2	37	173·7	35	136·5	27	131·0	29	124·7	33	97·1	30	63·1	25	45·0	20	1340·6	30	,, ,, ,,	15
Valencia	56·1	22	72·9	27	135·3	37	171·5	42	206·4	43	203·4	41	153·8	31	146·0	33	130·4	35	104·2	32	63·8	25	43·9	19	1487·7	34	,, ,, ,,	15
Pembroke	53·6	21	79·9	29	139·9	38	185·9	45	217·3	45	234·7	48	199·7	40	188·8	42	146·5	39	103·4	32	58·8	23	46·0	20	1654·5	38	,, ,, ,,	15
Jersey	71·2	27	95·0	34	160·2	44	196·3	48	249·2	53	243·1	51	230·0	48	241·2	55	183·4	49	127·4	39	70·9	26	62·6	25	1930·5	44	,, ,, ,,	15
London (Westminster)	19·3	8	33·0	12	72·3	20	113·9	28	168·6	35	167·4	34	162·0	33	160·9	36	111·5	30	70·1	22	29·5	11	11·8	5	1120·3	25	1883—1895	13
Oxford	47·1	19	66·3	24	119·7	33	152·1	37	196·6	41	192·1	39	185·5	38	182·9	41	141·0	38	101·7	31	55·4	22	41·8	18	1482·2	34	1881—1895	15
Cambridge	49·8	20	70·5	26	127·4	35	157·7	38	199·6	41	195·3	40	189·6	38	180·5	40	144·2	39	104·4	32	61·7	24	41·2	18	1521·9	35	,, ,, ,,	15

Note.—Where the records available have not extended over the whole period of 1881-1895, they have been reduced to their approximate values for the 15 years by comparison with those at adjacent and similarly exposed stations.

The observations at Scilly are insufficient in point of duration to furnish averages of any great value ; they are therefore omitted.

Wyman & Sons, Ltd., Printers, 63, Carter Lane, Doctors' Commons, E.C. [8984)

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 1st December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.58	14	NW	4	0	29.96	+ ·43	−1	−2	− 19	N	2	b	*	o	*	23	?	—
	Hernösand ...	29.65	33	NW	6	b	29.91	+ ·17	29	26	− 4	NW	6	b	*	b	*	36	23	—
	Stockholm ...	29.71	34	NW	2	b	29.80	− ·04	31	30	+ 3	NW	4	o	*	b	*	37	21	—
	Wisby	29.73	37	NW	6	s	29.72	− ·19	36	32	+ 3	N	10	oh	*	s	*	37	25	—
	Karlstad ...	29.89	36	NW	4	b	29.99	+ ·03	33	30	+ 1	NNW	4	b	*	b	*	*	*	—
	Bodö	29.84	36	N	6	c	30.01	+ ·39	34	30	+ 1	NNE	4	b	1	c	*	37	28	—
	Christiansund ...	30.10	40	NNE	5	r	30.14	+ ·13	39	37	− 3	2	o	o	3	r	*	43	37	0.08
	Skudesnaes ...	30.12	42	NNW	4	c	30.08	− ·11	38	37	− 3	N	2	b	1	c	*	45	34	*
	Færder (Christiania Fjord)	29.97	38	N	1	b	30.06	+ ·04	37	35	+ 2	NNE	3	b	2	b	*	41	35	—
	Skagen (The Scaw)	29.99	41	NNW	1	b	30.04	+ ·01	38	35	− 1	NE	2	b	0	b	*	41	36	—
	Fanö	30.05	42	NW	4	c	30.04	− ·12	40	39	− 1	NW	2	c	*	c	*	43	39	—
BRITISH ISLANDS.	Sumburgh Head	30.20	42	N	1	b	30.02	− ·25	41	40	− 2	2	0	o	2	c, b	*	45	36	0.08
	Stornoway ...	30.20	34	W	1	b	29.92	− ·38	31	31	− 2	W	3	o	3	b	3.9	47	23	—
	Wick	30.20	33	2	0	b	29.98	− ·33	43	42	+ 10	S	6	bw	3	b	*	44	31	—
	Nairn	30.22	26	2	0	b	30.00	− ·34	27	27	+ 1	2	0	f	1	b	*	40	20	—
	Aberdeen ...	30.27	31	W	1	bm	30.06	− ·32	33	32	+ 4	SW	2	bm	2	bm	0.2	34	23	—
	Leith	30.27	32	2	0	f	30.03	− ·36	28	28	0	S	1	om	*	f	*	33	23	—
	Shields	30.28	34	SE	2	m	30.08	− ·32	33	32	+ 3	S	2	f	2	bm, m	*	37	28	—
	Spurn Head ...	30.29	38	SSE	3	b	30.08	− ·33	41	40	+ 5	SSE	4	o	4	b	*	42	35	—
	York	30.29	34	SE	1	b	30.08	− ·35	33	32	+ 7	ESE	1	c	*	b	2.8	37	24	—
	Loughborough ...	30.28	29	ESE	1	b	30.06	− ·36	30	29	+ 10	SE	2	bm	*	b, bm	*	40	20	—
	Ardrossan ...	30.22	33	ENE	3	bm	29.98	− ·37	34	34	+ 3	NNE	5	of	2	bf	*	39	26	—
	Malin Head ...	30.09	37	SSE	5	b	29.79	− ·43	40	39	+ 6	SSE	3	cm	2	bm	*	40	35	—
	Belmullet ...	30.11	39	SSE	4	b	29.64	− ·54	41	39	+ 6	ESE	5	o	*	b	*	45	31	—
	Donaghadee ...	30.19	43	SE	5	b	29.87	− ·46	45	43	+ 5	SE	6	bc	5	b	*	45	39	—
	Liverpool (Bidston)	30.24	32	SE	3	b	29.95	− ·42	33	33	+ 3	ESE	4	c	?	bm	*	36	30	—
	Holyhead ...	30.14	38	E	1	b	29.82	− ·48	43	38	+ 10	E	3	c	2	b	*	43	31	—
	Parsonstown ...	30.05	37	SE	2	b	29.69	− ·53	41	38	+ 8	E	2	or	*	b	6.2	42	31	0.01
	Valencia ...	29.83	46	E	4	rq	29.48	− ·56	49	47	+ 2	ESE	7	rg	5	og, rq	0.0	49	44	0.06
	Roche's Point ..	29.99	45	ESE	7	c	29.65	− ·50	47	47	+ 3	SE	8	r	5	c	*	47	43	0.60
	Pembroke (St. Ann's Hd.)	30.05	40	SE	5	b	29.74	− ·49	40	38	+ 5	SE	6	o	4	b	5.7	40	35	—
	Scilly	29.90	48	ESE	6	c	29.59	− ·48	49	49	+ 4	ESE	5	r	5	c	3.4	49	42	0.08
	Prawle Point ...	30.09	43	ENE	6	bc	29.79	− ·42	46	45	+ 5	ESE	6	op	5	bc	*	46	40	—
	Jersey (St. Aubin's)	30.09	36	ESE	4	bm	29.82	− ·40	43	42	+ 12	SE	4	ogm	3	bm	*	43	31	—
	Hurst Castle ...	30.19	38	ENE	4	b	29.92	− ·37	42	40	+ 6	ESE	3	cm	2	bm, b	*	42	36	—
	Dungeness ...	30.23	39	E	4	b	30.00	− ·35	38	36	+ 2	ESE	4	c	3	b	*	40	35	—
	North Foreland	30.29	39	E	4	b	30.06	− ·34	39	36	+ 4	ESE	5	bc	5	b	*	40	35	—
	London (Brixton) ...	30.26	34	ENE	2	bm	30.03	− ·35	32	30	+ 4	ESE	2	bm	*	bf, b	0.0	41	28	—
	Oxford	30.21	31	E	3	b	29.96	− ·41	34	32	+ 11	E	2	bm	*	b	*	40	23	—
	Cambridge ...	30.30	29	SE	1	bm	30.06	− ·36	31	30	+ 8	ESE	1	om	*	bm	4.5	41	22	—
	Yarmouth ...	30.29	39	SE	2	b	30.11	− ·29	40	38	+ 4	SE	4	c	4	b	*	40	33	—
GERMANY & HOLLAND.	Cuxhaven ...	30.13	41	WNW	5	r	30.03	− ·19	41	41	+ 2	NW	2	o	*	ap	*	43	39	0.04
	Berlin	30.02	36	W	3	r	30.01	− ·15	38	37	+ 6	WNW	4	o	*	r	*	39	32	0.08
	Wiesbaden ...	*	*	*	*	*	30.19	− ·23	25	24	+ 5	NE	1	bc	*	*	*	32	20	—
	Munich	30.28	24	SW	3	b	30.17	− ·18	20	19	+ 8	SW	4	b	*	b	*	28	12	—
	The Helder ...	30.28	41	NW	1	o	30.16	− ·24	38	37	− 1	SW	1	o	1	o	*	41	38	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.16	− ·29	29	28	+ 9	ESE	1	c	*	b	*	37	18	—
	Cape Gris Nez ...	30.22	32	E	3	bc	30.03	− ·30	32	30	+ 7	ESE	2	bc	3	bc	*	36	25	—
	Paris	30.23	28	NE	2	b	30.03	− ·29	25	23	+ 5	NNE	2	b	*	b	*	38	22	—
	Brest	29.93	42	SE	4	o	29.72	− ·35	43	42	+ 6	E	4	r	3	o	*	45	37	0.04
	Lorient	?	?	?	?	?	29.72	?	43	43	+ 5	ESE	5	r	4	?	*	43	37	0.08
FRANCE &	Rochefort ...	29.99	45	E	5	c	29.80	− ·23	49	49	+ 13	SE	5	o	*	c	*	49	36	—
	Belfort	30.30	25	E	4	b	30.18	− ·17	22	21	+ 2	E	2	m	*	b	*	31	19	—
	Lyons	30.30	31	NNW	1	b	30.12	− ·20	31	31	+ 6	SSE	1	bc	*	b	*	39	25	—
	Nice	30.27	44	2	0	o	30.20	+ ·04	38	36	− 3	2	o	b	2	o	*	48	36	—
	Perpignan ...	30.28	51	SE	2	o	30.01	− ·16	51	48	+ 6	SE	2	o	*	o	*	52	45	—
	Biarritz ...	29.93	58	E	3	o	29.80	− ·17	59	56	+ 9	S	5	r	2	o	*	61	50	0.24
PENINSULA.	Corunna ...																*			
	Lisbon	29.75	63	SSW	6	o	29.66	− ·17	62	61	+ 5	SSW	6	c	*	o.	*	63	7	0.98
	Azores (P. Delgada)	29.52	56	NNW	4	bc	29.55	+ ·37	59	54	0	NNW	4	c	4	bc	*	63	55	0.24

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

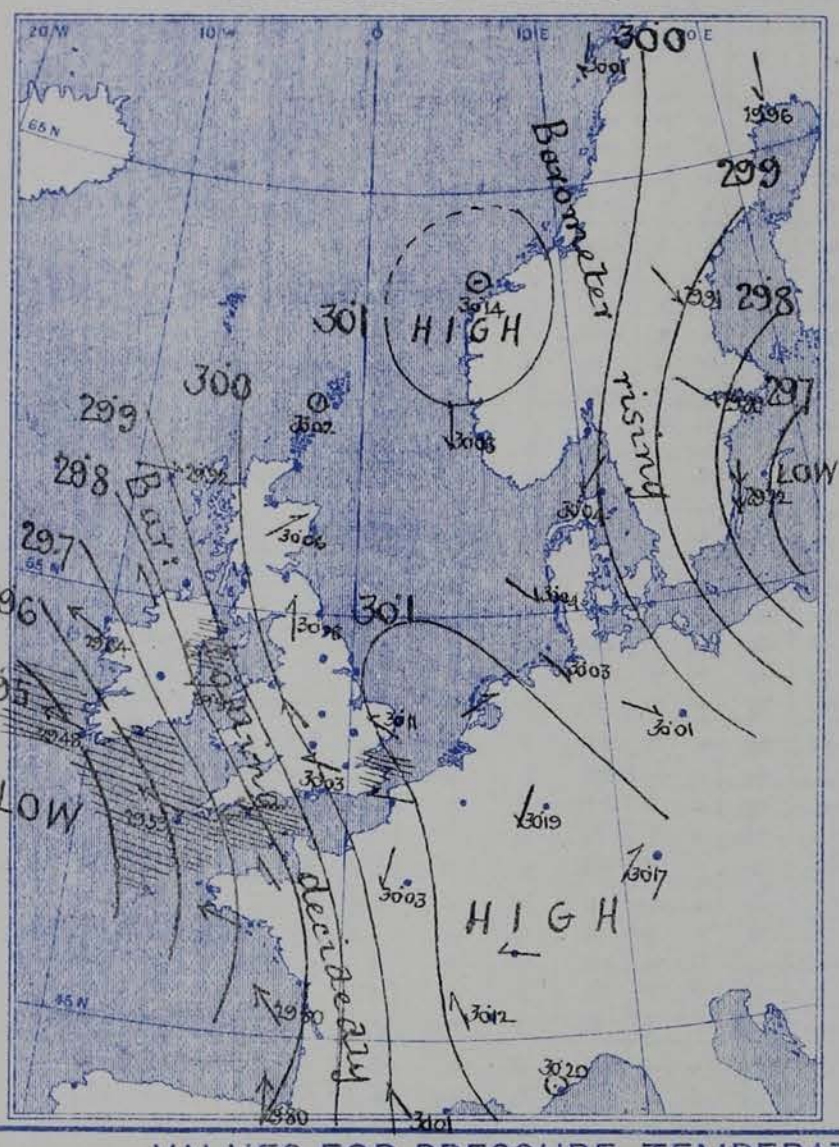
Bright Sunshine yesterday Southport 3.5 hrs; Brighton 7.2 hrs; Hastings 7.4 hrs; Eastbourne 7.0 hrs.

WEATHER CHARTS

FOR Tuesday, 1st December, 1896.

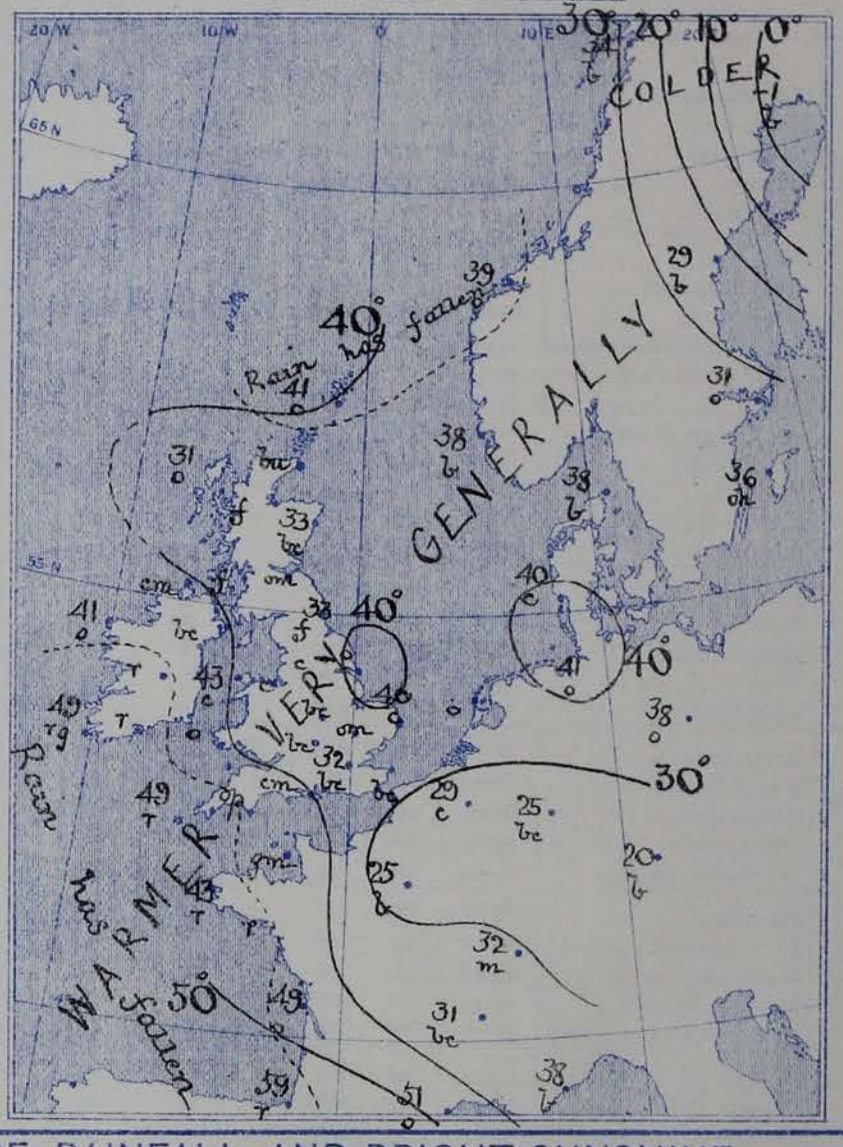
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards over the Netherlands, the E. of France and the W. and S. of Germany, as well as in another small area lying over the W. of Norway.
Lowest 29.5 ins. and less in a depression lying off our extreme southwest coast, 29.8 ins. and upwards in another disturbance over the northern part of the Baltic.
Gradients moderate to rather steep over the W.ern parts of our Islands, but slight elsewhere.
Barometer falling at all but the Scandinavian stations, - briskly on our extreme SW. coasts.

TEMPERATURE

Highest 59° at Biarritz, 51° at Perpignan, 49° at Scilly, ~~and~~ Rochefort, and Valencia (Ireland) 47 at Roche's Point, and 46° at Prawle Point.
Lowest (1) −1° F. at Haparanda, and + 29° at Hernosand; (2) 20° at Munich, 22° at Belfort, and 25° at Paris and Wiesbaden; (3) 27° at Nairn, and 28° at Leith.
Sharp frost was again experienced last night over the E.rn and central parts of Gt. Britain, the lowest readings reported being 20° at Nairn, and 23° at Aberdeen and Leith.

WIND

SE.ly over Ireland, England and the greater part of France and blowing in force on our western coasts, with a gale in the south of Ireland.
S. or SW.ly in the north and east of Scotland; N. or NW.ly in Scandinavia, Denmark and North Germany, with a gale at Wisby.

WEATHER

Rainy in the southwest of our Islands and the west of France.
Fair or fine in nearly all other parts of our area, but with fog or mist at several of the English and Scotch stations; dull over N. Germany and the Baltic, with hail at Wisby.
A little rain fell yesterday in N. Germany, and also at Dunkerque N. and Christiansund.

SEA

Rather rough on many parts of our W. and SW. coasts as well as at the North Foreland, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our southwest coasts seems likely to spread eastwards, and increasing SE.ly winds are probable over the United Kingdom generally, with rain or snow in most districts.

FORECASTS

For the 24 hours ending at NOON on 2nd DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH ↑ 1 SCOTLAND EAST	S.ly to SE.ly winds, increasing in force; fair at first, doubtful later, possibly some snow.	↑ 6 SCOTLAND WEST ↑ 7 ENGLAND N.W.	Same as No. 5.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Same as No. 5. E.ly and SE.ly winds, increasing in force; fair at first, unsettled later, with some rain, milder.	↑ 8 ENGLAND S.W. ↑ 9 IRELAND NORTH ↑ 10 IRELAND SOUTH	SE.ly strong winds and gales; unsettled, rainy.
		WARNINGS	At 6.50 pm. yesterday to districts 0, 1 and 6 to 10. Hoist South Cone.

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·14	44	42	NNW	6	c	2
Sumburgh Head	30·22	44	43	N	1	c	2
Stornoway	30·26	45	44	N	0	b	0
Aberdeen	30·30	33	32	W	1	bm	2
Shields	30·31	37	34	SSW	3	bm	2
Ardrossan	30·25	39	37	NE	2	b	2
Malin Head ...	30·13	40	39	SSE	5	b	3
Belmullet	30·11	41	37	SSE	4	b	*
Holyhead	30·23	41	35	E	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·97	46	43	E	4	og	5
Scilly	29·98	47	44	ESE	6	c	5
Jersey	30·14	40	36	ENE	4	b	3
Hurst Castle ...	30·23	42	39	ENE	5	bm	3
Dungeness ...	30·31	40	34	E	3	b	2
North Foreland	30·34	39	34	ESE	3	b	3
London (Westminster)	30·32	40	34	ENE	3	bf	*
Yarmouth ...	30·35	40	36	SE	3	b	3
Rochefort ...	30·03	46	45	E	5a	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather fine over W^rn. Europe as a whole, but dull in the west of Ireland, and rainy at Lorient. Dull over the N^rn., E^rn. and central countries generally, with rain or snow in many places; cloudy also over the Spanish peninsula and the southern parts of Italy; thunderstorm reported at Malta. Rain setting in later in the south of Ireland and sky becoming very cloudy in the west of France; no important change occurring elsewhere.

Temperature fallen several degrees over W^rn. and S^rn. Europe generally and also in Russia; risen in the northern and central countries. Morning readings highest 63° at San Fernando and Malta, 61° at Palermo and Algiers, and 59° at La Calle; above 50° at the Mediterranean and Spanish coast stations generally. Lowest 0 yers. at Archangel and Kharkov, 4° at Hermanstadt, and 5° at Kaspis; considerably below the freezing point over the central parts of Gt. Britain and France, and also in Belgium and S. Germany. Daily maxima below 40° at several of our own N^rn. stations, as well as in central France; thermometer exceeding 45° on our extreme southwest coasts, exceeding 50° in the south of France, and reaching 61° at Biarritz.

Wind SE^ly. or E^ly. over Ireland, England, France and the Spanish Peninsula, and strong in force on our own southwest coasts. Calm or light from the W^nd. over the northern and northeastern parts of Gt. Britain. Strong to a gale from the NW^nd. in the west of Norway; moderate to fresh from the same quarter or from W. over Denmark and Germany; calm in the N. of Sweden. Light from the N^nd. over the greater part of Russia, fresh or strong from the N^nd. or NE^nd. in Italy. No important change occurring over W^rn. Europe during day.

Barometer highest 30.4 ins. and upwards over the Netherlands and the E. of England, 30.1 ins. and upwards in an anticyclone covering the greater part of W^rn. and S^rn. Europe. Lowest 29.6 ins. and less in two depressions, one lying over central Russia and the other over the N. of Scandinavia, 29.8 ins. and less in another disturbance off the Portuguese coasts. Last mentioned disturbance subsequently spreading N^wds., and barometer falling briskly on our own extreme SW. coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 2nd December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·12	-8	W	0	b	29·88	-·08	6	5	+7	W	2	c	*	b	*	16	-11	-
	Hernösand ...	30·16	21	NW	2	c	30·13	+·22	10	9	-19	W	0	b	*	c	*	36	10	-
	Stockholm ...	30·12	27	N	4	0	30·25	+·45	26	24	-5	W	0	0	*	0	*	36	26	-
	Wisby	30·03	33	N	8	S	30·22	+·50	29	28	-7	ESE	4	0	*	S	*	36	23	-
	Karlstad ...	30·17	26	W	0	b	30·21	+·22	21	20	-12	NNW	2	b	*	b	*	*	*	-
	Bodö	30·10	23	E	2	b	29·93	-·08	31	28	-3	S	4	0	2	b	*	34	21	-
	Christiansund ...	30·10	36	NE	1	b	30·09	-·05	37	34	-2	SW	2	0	4	b	*	39	34	-
	Skudesnaes ...	30·11	42	S	4	0	30·10	+·02	40	36	+2	SSE	6	c	4	b,o	*	41	36	*
	Færder (Christiania Fjord)	30·16	34	N	1	b	30·18	+·12	33	31	-4	W	0	b	1	b	*	37	32	-
	Skagen (The Scaw)	30·18	36	E	1	b	30·21	+·17	34	32	-4	S	2	b	0	b	*	39	32	-
	Fanö	30·13	33	E	4	b	30·13	+·09	30	29	-10	E	4	b	*	b	*	41	28	-
BRITISH ISLANDS.	Sumburgh Head	29·96	40	SSE	2	0	29·82	-·20	42	42	+1	SSE	3	0	4	c,o	*	44	39	0·01
	Stornoway ...	29·73	37	W	0	b	29·50	-·42	46	46	+15	SE	5	0	5	c,b	1·7	47	29	-
	Wick	29·85	41	S	7	b	29·69	-·29	46	45	+3	S	7	cu	5	b	*	46	38	-
	Nairn	29·82	22	W	0	b	29·63	-·37	43	41	+16	SE	1	0	1	b	*	43	19	0·03
	Aberdeen ...	29·93	42	ESE	4	c,g	29·77	-·29	45	42	+12	SSE	6	o,g,p	6	bem.g	1·0	45	33	0·02
	Leith	29·87	37	S	2	0	29·68	-·35	43	40	+15	ESE	3	0	*	0	*	43	27	-
	Shields	29·92	41	S	4	0	29·74	-·34	44	42	+11	SE	4	0	3	f,om.o	*	44	33	-
	Spurn Head ...	29·89	42	ESE	5	ov	29·74	-·34	42	41	+1	ESE	5	o,g	5	g,ov	*	43	41	-
	York	29·90	39	ESE	1	0	29·74	-·34	41	40	+8	ESE	2	o	*	0	1·3	43	32	-
	Loughborough ...	29·85	38	SE	4	0	29·70	-·36	38	37	+8	ESE	2	0	*	c,o,g,dp	*	39	30	0·01
	Ardrossan ...	29·65	36	NE	4	b	29·57	-·41	40	40	+6	NE	3	rf	2	c,b	*	40	30	0·03
	Malin Head ...	29·54	42	SE	7	or	29·43	-·36	44	43	+4	SSE	3	om	1	o,or	*	44	39	0·04
	Belmullet ...	29·45	43	SE	5	or	29·30	-·34	49	48	+8	SE	3	0	*	o,r	*	50	34	0·14
	Donaghadee ...	29·69	44	SE	7	og	29·52	-·35	45	45	0	SE	7	r	6	o,g,r	*	46	42	0·20
	Liverpool (Bidston)	29·76	38	ESE	3	0	29·61	-·34	39	37	+6	ESE	4	0	?	m,rsp	*	40	33	0·02
	Holyhead ...	29·65	40	ESE	4	gmr	29·49	-·33	45	44	+2	NE	1	gmr	1	ogm,rm	*	47	38	0·31
	Parsonstown ...	29·49	44	SE	3	r	29·40	-·29	49	48	+8	SE	3	ag	*	or	0·0	49	31	0·29
	Valencia ...	29·33	55	SE	4	ogm	29·16	-·32	55	53	+6	SE	6	gmr	5	rgq,mg	0·0	56	48	0·34
	Roche's Point ..	29·44	48	ESE	5	rm	29·32	-·33	50	49	+3	ESE	7	0	5	rm	*	50	45	0·45
	Pembroke (St. Ann's Hd.)	29·57	43	SE	6	r	29·44	-·30	44	43	+4	SE	6	0	4	or	0·0	44	40	0·37
	Scilly	29·45	52	SE	4	f	29·33	-·26	53	52	+4	SE	5	c	4	om,f	0·0	53	49	0·37
	Prawle Point ...	29·63	47	SE	4	r	29·52	-·27	48	47	+2	SE	4	rf	4	r	*	49	44	1·15
	Jersey (St. Aubin's)	29·67	46	ESE	5	og	29·56	-·26	48	47	+5	SE	3	opm	3	o,op	*	48	42	0·27
	Hurst Castle ...	29·72	43	ESE	4	dm	29·60	-·32	47	45	+5	E	3	om	2	om,dm	*	47	42	0·08
	Dungeness ...	29·84	42	ESE	4	0	29·69	-·31	42	40	+4	ESE	3	c	2	c,o	*	43	37	-
	North Foreland	29·85	41	ESE	6	0	29·73	-·33	40	38	+1	ESE	5	0	5	0	*	43	37	-
	London (Brixton) ...	29·83	38	SE	3	0	29·70	-·33	37	36	+5	SE	1	0	*	o,or	0·0	40	31	0·29
	Oxford	29·77	39	E	2	0	29·66	-·30	38	37	+4	ESE	2	ga	*	c,rs,r	*	41	32	0·11
	Cambridge ...	29·86	39	ESE	4	0	29·72	-·34	39	38	+8	SE	2	ogm	*	c,o	1·1	43	29	0·03
	Yarmouth ...	29·92	41	ENE	7	cg	29·78	-·33	42	40	+2	SE	6	cg	5	c,cg	*	42	34	-
GERMANY & HOLLAND.	Cuxhaven ...	30·05	37	W	0	b	30·08	+·05	28	28	-13	SE	4	m	*	b,f	*	41	27	-
	Berlin	30·09	32	NW	2	0	30·17	+·16	28	27	-10	W	0	f	*	0	*	38	27	-
	Wiesbaden ...	*	*	*	*	*	30·01	-·18	33	33	+8	W	0	b	*	*	*	36	25	-
	Munich... ..	30·05	26	SE	4	b	29·99	-·18	17	17	-3	E	4	b	*	b	*	34	16	-
	The Helder ...	30·01	39	SE	1	0	29·92	-·24	34	33	-4	ESE	2	bc	1	0	*	41	34	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·83	-·33	37	32	+8	ESE	4	0	*	0	*	39	28	-
	Cape Gris Nez...																*			
	Paris	29·72	39	NNW	2	0	29·76	-·27	39	37	+14	E	2	f	*	0	*	41	25	0·04
	Brest	29·52	52	E	4	r	?	?	49	49	+6	ESE	4	f	4	r	*	52	41	0·20
	Lorient... ...	29·54	48	E	6	0	29·45	-·27	48	46	+5	SSE	4	0	2	0	*	50	43	0·08
FRANCE	Rochefort ...	29·67	52	SE	4	0	29·58	-·22	50	50	+1	SSE	4	0	*	0	*	55	48	-
	Belfort	?	27	E	2	m	?	?	29	28	+7	E	4	m	*	m	*	37	22	-
	Lyons	29·92	49	S	2	r	29·80	-·32	41	39	+10	N	1	m	*	r	*	50	31	-
	Nice	30·02	45	NE	2	0	29·90	-·30	45	45	+7	W	0	r	3	0	*	50	38	0·20
	Perpignan ...	29·84	52	W	1	r	29·69	-·32	49	49	-2	W	0	0	*	r	*	60	47	0·04
	Biarritz ...	29·67	64	S	4	c	29·59	-·21	58	57	-1	S	4	r	2	c	*	66	57	0·20
PENINSULA.	Corunna ...																*			
	Lisbon	29·65	57	W	4	c	29·71	+·05	56	54	-6	W	2	0	*	c	*	63	55	0·16
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

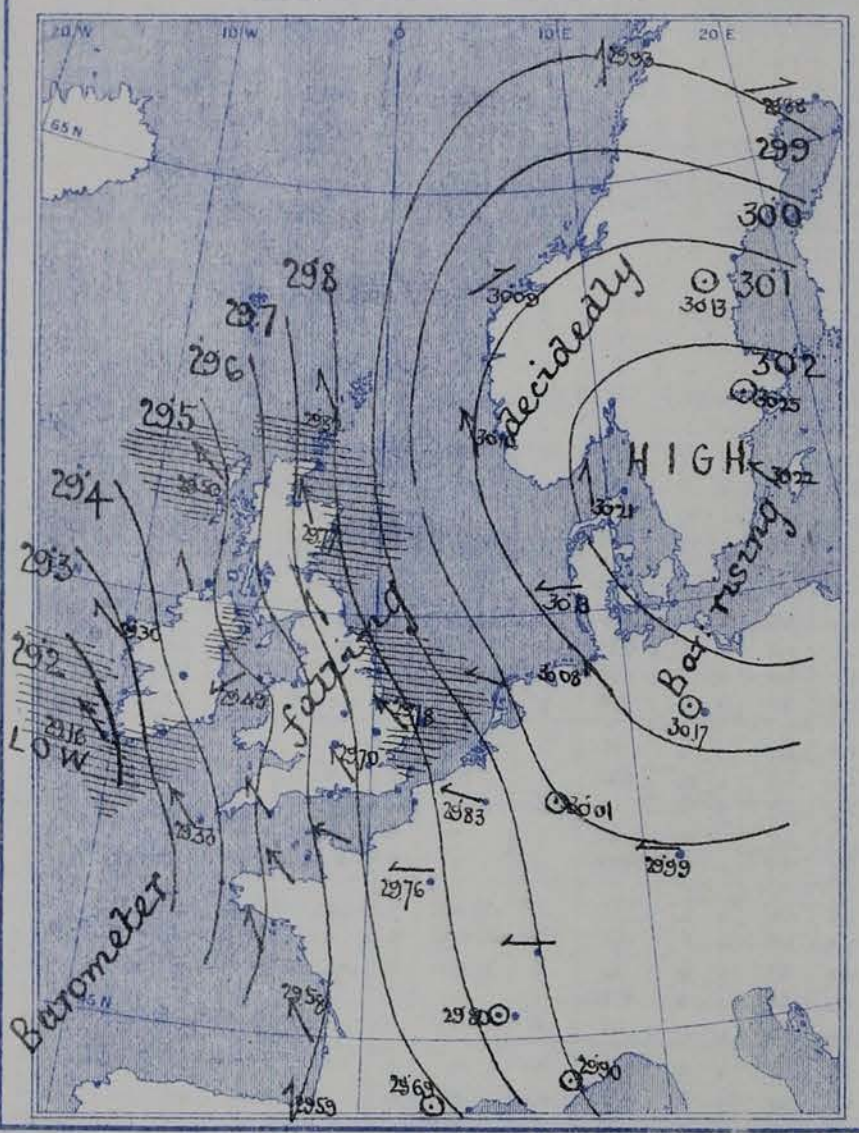
Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·6 hrs; Hastings 1·3 hrs; Eastbourne 1·3 hrs.

WEATHER CHARTS

FOR Wednesday, 2nd December 1896.

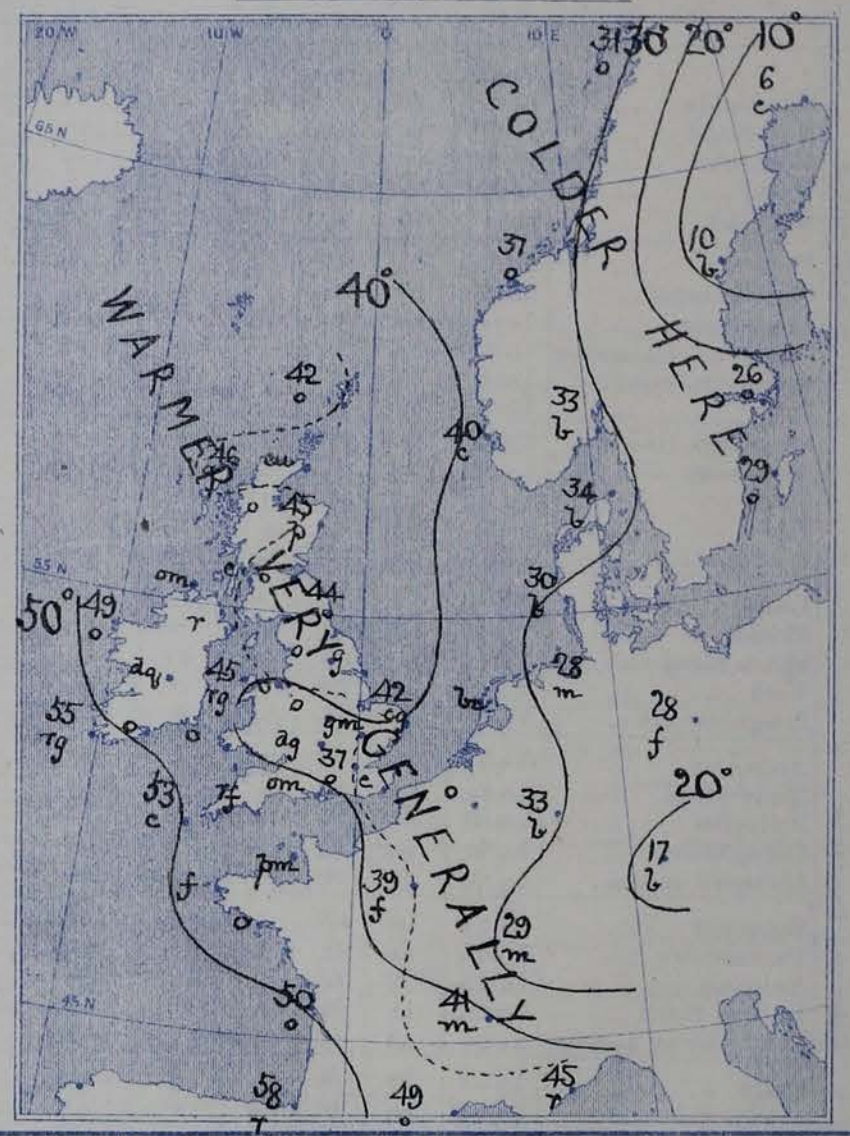
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1885	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more to 300 in: in an anticyclone lying over the Baltic and the eastern shores of the North Sea.
Lowest, Below 29·2 in: off the southwest of Ireland.
Gradients becoming steep over the British Islands and off our east and northeast coasts.
Barometer falling decidedly at all our snow stations.

TEMPERATURE

Highest, 58° at Biarritz, 55° at Valencia, 53° at Scilly.
Lowest, 6° to 10° on the northern parts of the Swedish coast, 21° at Karlstad, 17° at Munich, 28° at Berlin, 37° to 38° over the inland parts of England.
A minimum as low as 19° was recorded at Nairn last evening; even when the thermometer has risen 24°. In all parts of the Kingdom the temperature is now rising.

WIND

SE? on all our coasts – moderate at the southern stations, strong to a gale in the west and north, and increasing at the northeastern stations.

WEATHER

Clear over Germany and the north of Sweden, overcast elsewhere, raining in several parts of our Islands and very unsettled generally.
The amount of rainfall measured this morning at Prawle Pt exceeded 1·1 in: that at Rocher Pt was 0·45 inch.
Bright Sunshine recorded yesterday was 1·7 hrs at Stornoway, rather more than one hour over our northeastern and eastern districts, none at our western stations or in London.

SEA

Moderate at our southern stations, rough elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very wet unsettled weather is probable, with strong SE? gales in the northeast and northwest, and equally winds generally.

FORECASTS

For the 24 hours ending at NOON on 3rd DEC. 1896.

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH; ▼ 1 SCOTLAND EAST; ▼ 2 ENGLAND N.E.	S? and SE? winds, strong, to a strong gale; rain and probably sleet.
▼ 3 ENGLAND EAST; 4 MIDLAND COUNTIES; 5 ENGLAND SOUTH	SE? winds, increasing somewhat, with cold rain or wet snow.
▼ 6 SCOTLAND WEST; ▼ 7 ENGLAND N.W.; ▼ 8 ENGLAND S.W.; ▼ 9 IRELAND NORTH; ▼ 10 IRELAND SOUTH	SE? gales and strong winds; squally, rainy very unsettled.
WARNINGS	At 7·15 pm yesterday to districts 2 and 3 "Hoist South Cone". The signals are now flying except in district 5

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·12	40	39	SE	1	b	1
Sumburgh Head	30·00	42	41	S	2	c	2
Stornoway	29·81	41	40	E	3	c	3
Aberdeen	29·98	37	35	SSW	1	bcm	2
Shields	30·00	40	38	S	2	om	2
Ardrossan	29·82	36	36	NNE	4	cf	2
Malin Head ...	29·63	43	41	SSE	6	o	3
Belmullet	29·51	43	41	SE	6	o	*
Holyhead	29·70	44	40	E	3	ogm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·38	52	50	ESE	6	rgq	5
Scilly	29·50	52	51	SE	4	om	2
Jersey	29·70	44	43	SE	5	o	4
Hurst Castle ...	29·77	43	41	ESE	4	ou	3
Dungeness ...	29·89	41	39	ESE	4	c	3
North Foreland	29·94	41	38	ESE	5	o	5
London (Westminster)	29·87	41	37	ENE	3	o	*
Yarmouth ...	29·98	42	39	SE	4	c	4
Rochefort ...	29·75	54	52	SE	5	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over Italy, the eastern half of the Mediterranean, Western Germany, the North Sea, and the eastern parts of Great Britain; dull and rainy over Western Europe, dull over Russia, with much snow over the Baltic Provinces, Poland, and Hungary. Considerable rain over Ireland and the western and southern parts of England later, as well as in the west and south of France. Fall amounting to more than 1·1 in: at Prawle Pt and 0·3 in: to 0·5 in: in the south of Ireland.

Temperature in morning, highest 62° at Lisbon, 61° at Algiers, 57° at Cagliari, and above 50° at many stations on the southern side of the Mediterranean. Lowest (1) −5° F at Moscow, −1° at Haparanda, +5° at St Petersburg, and below 10° at nearly all the Russian stations, 19° at Riga; (2) 20° at Nemmich, 22° at Belfort, 29° at Brussels, 30° at Loughborough. Rising later to 56° at Valencia, 53° at Scilly, 60° at Perpignan, 66° at Biarritz, but touching only 40° in London and 39° at Loughborough. Very cold (minimum 19°) at Nairn in evening, but rising over Ireland and England.

Wind extremely light and variable over the east of France and west of Germany, the North Sea and Norway; NW³ to N³ strong to a gale, over Sweden and the Baltic. SE³ over the British Islands – strong in the west, and blowing a gale at some of the Irish stations. Increasing in force from SE. in the east of Scotland later.

Barometer highest 30·2 in: and more over Sicily and Italy, and exceeding 30·0 in: over Western Germany, the North Sea, the eastern parts of Great Britain and in Norway. Lowest, below 29·5 in: in two depressions – one over the Baltic Provinces and the Gulf of Riga, the other off our extreme southwestern coasts. The latter system spreading eastwards later over the United Kingdom, the former apparently filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 3rd December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.70	26	X	0	r	29.86	-.02	15	14	+9	X	0	c	*	b	*	27	-8	-
	Hernösand ...	29.93	31	W	2	c	30.01	-.12	22	21	+12	WNW	2	c	*	c	*	32	9	-
	Stockholm ...	30.18	28	SW	2	0	30.16	-.09	30	28	+4	WSW	2	0	*	0	*	30	21	-
	Wisby	30.26	29	SSW	4	0	30.23	+.01	32	29	+3	NW	4	b	*	b	*	32	18	-
	Karlstad ...	30.17	32	WSW	4	0	30.17	-.04	28	26	+7	NNW	2	0	*	0	*	*	*	-
	Bodö	29.90	40	S	2	c	29.93	.00	41	39	+10	W	4	0	2	c	*	41	30	0.28
	Christiansund ...	30.05	39	X	0	b	29.95	-.14	35	33	-2	ESE	1	b	3	b	*	39	34	-
	Skudesnaes ...	30.05	38	SSE	6	c	29.95	-.15	39	34	-1	SE	6	b	4	c	*	40	36	*
	Færder (Christiania Fjord)	30.16	37	SW	3	0	30.16	-.02	29	28	-4	NNE	2	m	2	0	*	37	27	-
	Skagen (The Scaw)	†30.20	34	SSW	1	b	30.16	-.05	35	32	+1	NNW	1	c	0	b	*	36	28	-
	Fanö	30.08	30	SE	5	b	30.02	-.11	28	27	-2	SE	6	b	*	b	*	36	27	-
BRITISH ISLANDS.	Sumburgh Head	29.72	44	SSE	4	0	29.51	-.31	45	45	+3	SSE	5	0	7	0	*	45	42	-
	Stornoway ...	29.42	48	SE	4	0	29.18	-.32	49	48	+3	SE	6	r	6	r.0	0.0	49	45	0.10
	Wick	29.59	46	S	8	0	29.35	-.34	46	46	0	S	8	ou	7	0.r	*	46	44	0.05
	Nairn	29.51	42	E	1	c	29.30	-.33	48	46	+5	X	0	0	1	c.l	*	48	34	-
	Aberdeen ...	29.65	45	SE	6	ogqp	29.43	-.34	44	43	-1	SE	7	oggr	8	gqpr	0.0	46	44	0.36
	Leith	29.56	43	SE	3	0	29.36	-.32	44	43	+1	SSE	3	0	*	0	*	54	42	0.02
	Shields	29.63	44	SE	4	0	29.47	-.27	42	42	-2	SE	3	r	3	0	*	45	41	0.13
	Spurn Head ...	29.64	43	ESE	5	0	29.51	-.23	41	41	-1	SE	4	r	4	0.r	*	43	40	0.35
	York	29.63	42	ESE	1	r	29.49	-.25	41	41	0	ESE	1	r	*	0r	0.0	43	39	0.44
	Loughborough ...	29.60	40	ESE	2	0	29.51	-.29	43	43	+5	SE	3	ogmd	*	gm.r.d	*	43	38	0.54
	Ardrossan ...	29.47	43	NE	3	of	29.27	-.30	47	47	+7	S	4	d	3	rf.of	*	47	39	0.15
	Malin Head ...	29.32	47	SSE	5	om	29.21	-.22	42	42	-2	SW	3	op	1	o.om	*	47	42	0.02
	Belmullet ...	29.22	51	SSE	5	or	29.13	-.17	44	42	-5	ESE	3	o	*	o.r	*	53	41	0.09
	Donaghadee ...	29.44	46	SE	7	o	29.32	-.20	43	43	-2	SW	5	bc	4	r.o	*	47	43	0.43
	Liverpool (Bidston)	29.53	41	ESE	4	o	29.44	-.17	44	44	+5	SE	1	m	?	opm	*	44	38	0.03
	Holyhead ...	29.42	49	SE	1	bc	29.38	-.11	46	45	+1	SSW	3	cp	2	om.bc	*	51	44	0.30
	Parsonstown ...	29.23	50	SE	3	r	29.24	-.16	43	41	-6	SE	1	o	*	or	0.0	51	42	0.08
	Valencia ...	29.27	49	W	5	om	29.00	-.16	50	48	-5	SSE	7	ogm	5	r.ogm	0.0	55	43	0.73
	Roche's Point ...	29.22	50	S	6	rm	29.23	-.09	48	48	-2	S	8	r	6	rm	*	51	46	0.55
	Pembroke (St. Ann's Hd.)	29.34	43	SE	5	r	29.41	-.03	48	46	+4	SW	5	c	5	r	0.1	50	42	0.21
	Scilly	29.32	52	WSW	4	m	29.41	+.08	50	48	-3	S	5	o	5	om	0.4	54	47	0.01
	Prawle Point	29.47	51	S	3	f	29.52	.00	47	45	-1	SW	4	cp	4	f.r	*	51	45	0.07
	Jersey (St. Aubin's)	29.55	49	ESE	1	om	29.60	+.04	49	49	+1	SW	2	cm	2	r.m	*	49	47	0.04
	Hurst Castle ...	29.55	47	SE	2	om	29.56	-.04	47	46	0	SW	2	bcm	2	oam.om	*	50	46	0.10
	Dungeness ...	29.64	44	SE	4	o	29.59	-.10	45	45	+3	SSE	4	r	3	o	*	45	41	0.40
	North Foreland	29.69	44	ESE	4	o	29.59	-.14	42	42	+2	S	4	o	4	o	*	44	39	0.37
	London (Brixton) ...	29.62	43	SE	3	or	29.57	-.13	47	46	+10	S	2	o	*	o.or	0.0	47	37	0.55
	Oxford	29.59	43	E	1	r	29.53	-.13	46	46	+8	S	2	cm	*	ogr	*	46	38	0.27
	Cambridge ...	29.64	42	SE	4	r	29.55	-.17	42	42	+3	S	2	ogm	*	or	0.0	44	38	0.45
	Yarmouth ...	29.70	43	ESE	6	bcq	29.61	-.17	42	41	0	SSE	4	gr	5	c.bcq.r	*	43	39	0.30
GERMANY & HOLLAND.	Cuxhaven ...	30.06	30	SE	4	b	29.97	-.11	26	26	-2	SE	5	b	*	b	*	37	25	-
	Berlin	30.22	27	SE	3	c	30.17	.00	21	20	-7	SE	3	b	*	c	*	32	19	-
	Wiesbaden ...	*	*	*	*	*	29.94	-.07	26	25	-7	NE	3	b	*	*	*	36	26	-
	Munich	29.94	23	NE	4	b	29.93	-.06	18	18	+1	SE	4	o	*	b	*	34	16	-
	The Helder ...	29.84	35	ESE	3	bc	29.74	-.18	31	29	-3	SE	3	b	1	bc	*	36	31	-
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	29.71	-.12	36	35	-1	SE	1	r	*	b	*	44	34	0.12
	Cape Gris Nez ...	29.63	41	SE	4	o	29.61		39	38		S	3	m	3	o	*	45	34	0.55
	Paris	29.70	43	ESE	2	r	29.69	-.07	39	39	0	S	2	f	*	r	*	44	38	0.20
	Brest ...	29.49	51	S	3	o	29.61	?	50	47	+1	SW	3	c	5	o	*	54	45	0.16
	Lorient	29.51	48	SSE	3	oc	29.63	+.18	50	49	+2	SW	4	bc	5	bc	*	52	45	-
	Rochefort ...	29.60	54	SSE	3	r	29.72	+.14	52	52	+2	W	4	f	*	r	*	55	48	0.12
	Belfort	29.88	33	E	6	m	29.88	?	32	31	+3	E	2	m	*	m	*	35	29	-
	Lyons ...	29.75	48	SSE	1	o	29.80	.00	45	44	+4	S	1	o	*	o	*	55	41	-
	Nice	29.80	50	NE	4	o	29.80	-.10	48	43	+3	E	1	c	5	o	*	52	45	0.04
	Perpignan ...	29.68	56	SE	2	r	29.79	+.10	52	52	+3	X	0	r	*	r	*	61	49	0.63
	Biarritz ...	29.62	61	S	3	c	29.79	+.20	54	53	-4	W	4	r	2	c	*	64	52	0.08
PENINSULA.	Corunna ...																*			
	Lisbon	29.91	53	NNW	3	bc	29.99	+.28	56	53	0	W	4	o	*	bc	*	63	32	0.20
	Azores (P. Delgada)	30.10	63	W	4	c	30.09	+.04	63	61	+5	W	4	c	4	c	*	64	58	0.08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

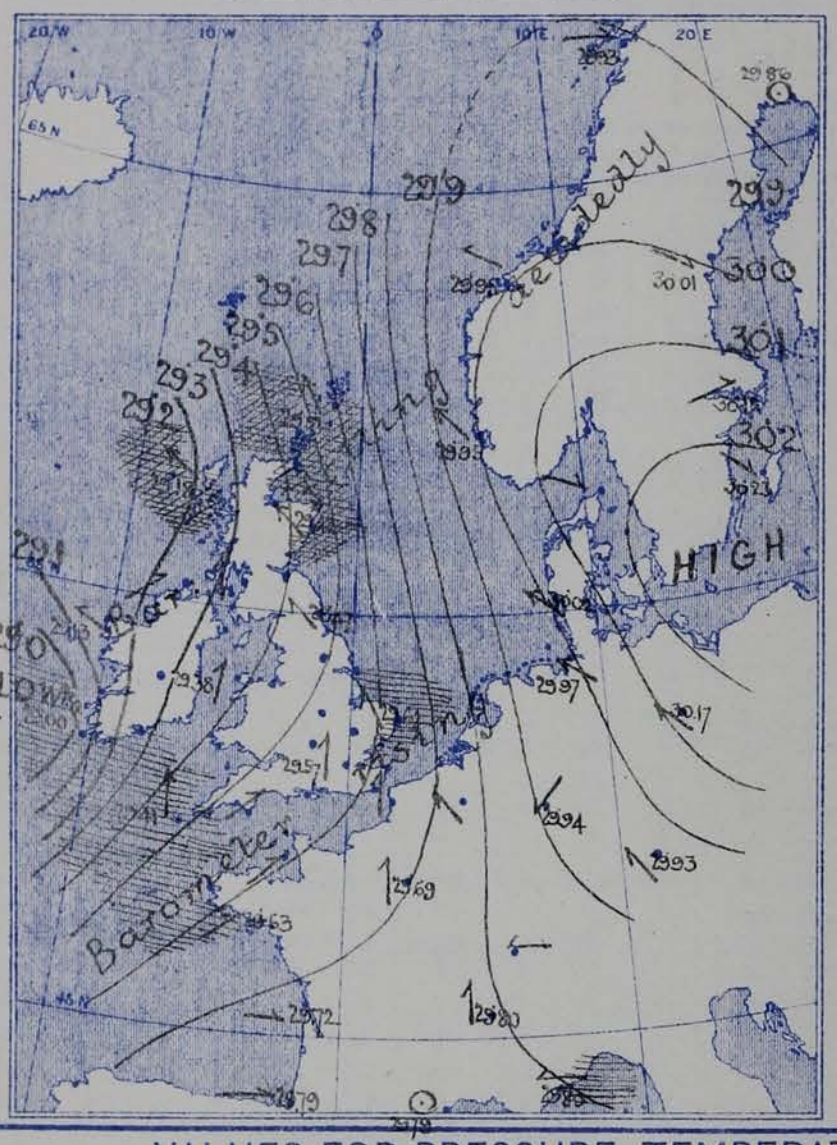
Bright Sunshine yesterday Southport 0.0 hrs; Brighton 0.0 hrs; Hastings 0.0 hrs; Eastbourne 0.0

WEATHER CHARTS

FOR Thursday, 3rd December, 1896.

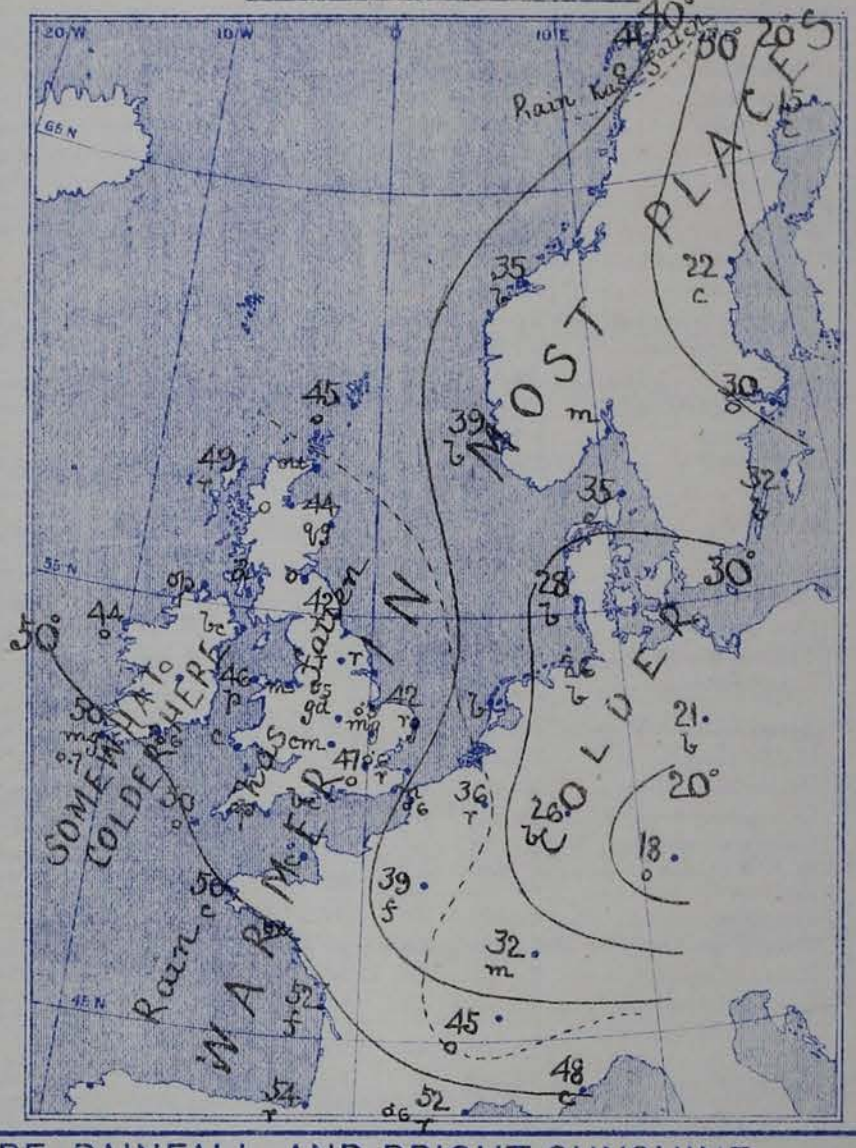
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·849	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and more over the Baltic and North Germany; exceeding 29·9 in: over the eastern shores of the North Sea.
Lowest, Below 29·2 in: at Stornoway, and below 29·0 in: off the southwest of Ireland.
Gradients very steep over Ireland, Scotland, and some parts of the North Sea.
Barometer unsteady, after having fallen fast in most places.

TEMPERATURE

Highest, 54° at Bicarritz, 50° at Scilly and Valencia, 49° at Stornoway.
Lowest, (1) 15° at Haparanda, 30° at Stockholm; (2) 18° at Munich, 21° at Berlin, 26° at Cuxhaven.
It has risen very decidedly over England, and is now much above the mean value for the time of year.

WIND

SE. to S. 3, strong to a gale, at the Irish and Scotch stations; S. 2 to SW. 2, and moderate, over England; SE. 3, strong, in Denmark and the southwest of Norway.
A strong gale from SE. has been felt in the east of Scotland during the night.

WEATHER

Fine over Germany and several parts of Scandinavia, dull elsewhere, with rain in many parts of our Islands.
Considerable quantities of rain have fallen over our Islands, especially in the west and south. Lightning was seen at Nairn, and and Aurora at Aberdeen.
A very little Bright Sunshine occurred on the southwest coasts of England, none at our other stations.

SEA

Very high in the north, rough in the west, rather so in the east, but only slight in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable weather is probable with rain at times.

FORECASTS

For the 24 hours ending at NOON on 4TH DEC: 1896.

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH ▼ 1 SCOTLAND EAST	S. 2 gales and strong winds; unsettled, squally, rainy.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. 2 and SW. 2 winds; unsettled, rain at times.
▼ 6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	Same as No. 2 to 5.
▼ 9 IRELAND NORTH ▼ 10 IRELAND SOUTH	S. 2 and SW. 2 gales and strong winds; rainy, squally, changeable.
WARNINGS	At 10·30 am to districts 0.1.6.9 and 10. "Hoist South Cone again".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·10	40	37	SSE	6	c	4
Sumburgh Head	29·72	44	43	SSE	4	o	5
Stornoway	29·47	49	48	SE	4	r	4
Aberdeen	29·70	45	42	SE	6	o g y	6
Shields	29·67	44	43	SSE	4	o	3
Ardrossan	29·51	42	42	NE	3	r f	2
Malin Head ...	29·40	45	45	SSE	4	o	2
Belmullet	29·23	50	49	SE	3	o	*
Holyhead	29·46	47	46	E	1	o m	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·13	53	52	SSE	4	o g m	5
Scilly	29·29	58	58	SE	6	m	5
Jersey	29·54	48	48	SE	3	o r	3
Hurst Castle ...	29·56	51	46	E	3	o d m	2
Dungeness ...	29·65	45	44	SSE	4	o	3
North Foreland	29·70	43	40	ESE	4	o	4
London (Westminster)	29·63	44	42	SE	2	o d m	*
Yarmouth ...	29·72	43	41	SE	5	c	5
Rochefort ...	29·59	52	52	SSE	3	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and light over the greater part of Sweden, Denmark, and the Eastern parts of France, as well as over the Baltic Provinces and Central Russia; dull elsewhere, and very unsettled over the British Islands, with rain in several places. Considerable quantities of rain later over the British Islands and France — 0·7 in. at Valencia, and about 0·6 in. at Loughborough, Roche's Pt., London, Cape Gris Nez, and Perpignan; lightning seen at Nairn, and Aurora at Aberdeen.

Temperature rising over Western Europe generally, falling fast over Russia. Morning readings highest 63° at Algiers, 61° at Malta; 58° at Biarritz, 55° at Valencia, 53° at Scilly. Lowest (?) — 4° F. at Riga, +4° at Moscow and Kuopio, 6° at Haparanda, 10° at St Petersburg, Nenfahrwasser and Kiev; 17° at Munich, 28° at Belfast, 37° in London. Rising over Western Europe during the day, and air becoming more humid.

Wind SE over the British Islands and France, and blowing strongly on all exposed parts of our coasts; light and anticyclonic over Northern Europe, and mainly E in the south, but SW over Algeria. Blowing a strong gale in the East of Scotland later, and becoming very variable in Ireland.

Barometer highest 30·2 in. and more to 30·0 in. in an anticyclone covering the Baltic, Scandinavia, and Central Europe, and stretching southwards to Italy, Sicily and Greece. Lowest. Below 29·2 in. off the extreme west of Ireland, and about 29·5 in. in the north of Spain. Falling unsteadily over the British Islands later, and gradients becoming very steep.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 4th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.82	16	2	0	b	29.79	−.07	9	8	−6	2	0	b	*	b	*	23	9	—
	Hernösand ...	29.94	17	2	0	b	29.95	−.06	12	11	−10	2	0	b	*	b	*	32	?	—
	Stockholm ...	30.15	30	SW	2	0	30.09	−.07	23	22	−7	2	0	b	*	0	*	30	23	—
	Wisby	30.22	31	W	4	b	30.15	−.08	25	24	−7	S	4	b	*	b	*	34	25	—
	Karlstad ...	30.13	31	SSE	2	b	30.05	−.12	19	19	−9	NE	2	b	*	b	*	*	*	—
	Bodö	29.90	37	W	2	0	29.90	−.03	36	35	−5	ESE	2	bc	1	0	*	41	34	0.12
	Christiansund ...	29.84	36	ESE	2	b	29.75	−.20	36	34	+1	SSE	1	b	2	b	*	36	35	—
	Skudesnaes ...	29.82	42	SE	6	c	29.65	−.30	43	36	+4	ESE	8	c	5	b, c	*	43	36	*
	Færder (Christiania Fjord)	30.09	34	NE	1	0	30.01	−.15	27	26	−2	NE	1	0	2	0	*	34	27	—
	Skagen (The Scaw)	30.04	34	SSE	2	b	29.92	−.24	34	32	−1	SSE	4	c	1	b	*	36	32	—
	Fanö	29.87	28	SE	6	b	29.76	−.26	28	27	0	SE	6	c	*	b	*	32	25	—
BRITISH ISLANDS	Sumburgh Head	29.39	44	SE	7	0	29.33	−.18	45	44	0	SE	6	0	7	0	*	46	43	0.05
	Stornoway ...	29.09	48	SSE	5	bc	29.19	+.01	42	42	−7	W	3	0	3	r, bc	0.1	49	39	0.06
	Wick	29.25	45	S	7	0	29.23	−.12	44	44	−2	S	3	d	6	0	*	46	40	0.30
	Nairn	29.20	47	SE	2	c	29.21	−.09	42	40	−6	2	0	0	1	c	*	49	40	0.01
	Aberdeen ...	29.33	45	SSE	6	opq	29.26	−.17	42	42	−2	SW	1	org	7	rog pq	0.0	47	42	1.02
	Leith	29.28	46	SE	2	0	29.22	−.14	40	39	−4	SE	2	b	*	0	*	48	38	0.01
	Shields	29.39	45	S	3	odp	29.28	−.19	40	40	−2	S	2	f	3	dp, r	*	46	40	0.40
	Spurn Head ...	29.47	43	SSE	4	bm	29.32	−.19	42	42	+1	SE	3	0	3	or, bm, f	*	44	40	0.07
	York	29.43	43	ESE	1	bc	29.29	−.20	42	41	+1	ESE	1	bc	*	bc	0.0	45	39	0.23
	Loughborough ...	29.45	45	SSE	1	c	29.29	−.22	42	41	−1	ESE	2	om	*	bc, c, op	*	50	40	0.09
	Ardrossan ...	29.20	47	SE	5	om	29.21	−.06	40	40	−7	NE	2	cfw	2	om	*	48	39	0.03
	Malin Head ...	29.04	43	S	6	b	29.18	−.03	36	36	−6	S	2	b	1	o, b	*	47	35	—
	Belmullet ...	29.05	42	WSW	5	opq	29.17	+.04	37	36	−7	SSE	2	0	*	c, opq	*	48	33	0.29
	Donaghadee ...	29.22	45	S	6	c	29.19	−.13	31	31	−12	?S	5	b	4	c	*	48	29	0.06
	Liverpool (Bidston)	29.34	47	SE	3	0	29.21	−.23	42	41	−2	ESE	2	0	?	om, p	*	48	40	—
	Holyhead ...	29.28	46	S	2	cmp	29.16	−.22	42	41	−4	ENE	2	c	1	cmp	*	48	40	0.26
	Parsonstown ...	29.18	43	SE	1	bc	29.10	−.14	34	33	−9	SE	1	0	*	opq, bc	1.1	49	31	0.02
	Valencia ...	29.27	44	SW	2	bc	29.05	+.05	42	39	−8	N	4	0	4	bc, hp	2.3	50	37	0.10
	Roche's Point ...	29.23	41	WSW	2	b	28.95	−.28	43	41	−5	NE	5	0	4	p, b	*	51	35	0.25
	Pembroke (St. Ann's Hd.)	29.31	49	WSW	4	bc	28.99	−.42	45	43	−3	ESE	5	0	4	o, bc	0.0	49	44	0.10
	Scilly	29.34	50	WSW	4	0	28.69	−.72	47	45	−3	S	5	cu	6	pm, bc, o	3.1	53	44	0.44
	Prawle Point ...	29.43	45	S	3	r	28.95	−.57	48	47	+1	SE	8	r	6	rf, b	*	49	43	0.73
	Jersey (St. Aubin's)	29.48	50	S	4	or	29.12	−.48	49	49	0	SE	7	pm	5	c, org	*	51	47	0.10
	Hurst Castle ...	29.47	50	SSW	5	0	29.20	−.36	49	47	+2	SE	5	om	3	omc, r	*	51	44	0.35
	Dungeness ...	29.58	46	S	4	0	29.34	−.25	46	46	+1	SSE	5	bc	4	0	*	48	45	0.01
	North Foreland	29.59	45	S	2	f	29.36	−.23	45	44	+3	SSE	4	c	3	of	*	46	39	0.03
	London (Brixton) ...	29.54	48	SW	2	0	29.32	−.25	46	45	−1	SE	2	c	*	c, o, or	0.2	52	43	0.10
	Oxford	29.42	48	S	1	r	29.24	−.29	44	44	−2	SE	1	og	*	r	*	50	41	0.19
	Cambridge ...	29.52	46	S	3	0	29.32	−.23	45	44	+3	SE	2	om	*	0	0.6	50	40	0.02
	Yarmouth ...	29.51	44	SSE	3	f	29.41	−.20	44	43	+2	SSE	4	c	4	r, f	*	44	40	0.03
GERMANY & HOLLAND	Cuxhaven ...	29.85	28	SE	5	b	29.70	−.27	26	26	0	SE	3	0	*	b	*	30	25	
	Berlin	30.08	24	E	4	b	29.99	−.18	21	18	0	SE	3	b	*	b	*	28	19	
	Wiesbaden ...	*	*	*	*	*	29.80	−.14	33	32	+7	E	1	0	*	*	*	34	26	—
	Munich	29.92	29	E	4	0	29.88	−.05	25	25	+7	E	3	c	*	0	*	30	18	0.04
	The Helder ...	29.67	33	SSE	1	0	29.55	−.19	36	35	+5	SSE	1	0	1	0	*	36	30	0.08
BELGIUM	Brussels ...	*	*	*	*	*	29.55	−.16	42	42	+6	SE	4	r	*	0	*	43	36	0.08
	Cape Gris Nez ...	29.60	43	S	4	f	29.41	−.20	44	43	+5	SSE	3	c	2	f	*	46	39	0.08
	Paris	29.67	48	S	2	f	29.52	−.17	47	46	+8	SSE	3	0	*	f	*	48	39	0.08
	Brest	29.46	50	W	3	r	28.90	−.71	51	49	+1	SSW	7	b	7	r	*	52	43	1.14
	Lorient	29.47	48	SW	7	?	29.02	−.61	47	47	−3	SW	8	?	6	?	*	54	46	0.47
FRANCE	Rochefort ...	29.72	52	W	4	c	29.34	−.38	50	50	−2	S	7	r	*	bc, c	*	55	48	0.20
	Belfort	29.68	36	E	1	m	29.77	−.11	40	40	+8	E	2	f	*	m	*	40	32	?0.20
	Lyons	29.84	49	S	1	r	29.75	−.05	46	44	+1	S	3	c	*	r	*	52	45	0.28
	Nice	29.86	50	ENE	1	c	29.92	+.12	45	42	−3	2	0	c	4	c	*	57	43	—
	Perpignan ...	29.87	53	2	0	0	29.78	−.01	48	48	−4	2	0	0	*	0	*	56	47	0.71
	Biarritz ...	29.78	55	WSW	3	bc	29.50	−.29	59	53	+5	S	6	0	4	bc	*	59	50	0.08
PENINSULA	Corunna ...																*			
	Lisbon	30.00	57	SW	3	0	29.93	−.06	60	59	+4	WSW	5	0	*	0	*	60	56	0.35
	Azores (P. Delgada)	30.06	64	WSW	5	0	30.10	+.01	63	63	0	WSW	4	m	4	0	*	66	61	0.28

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

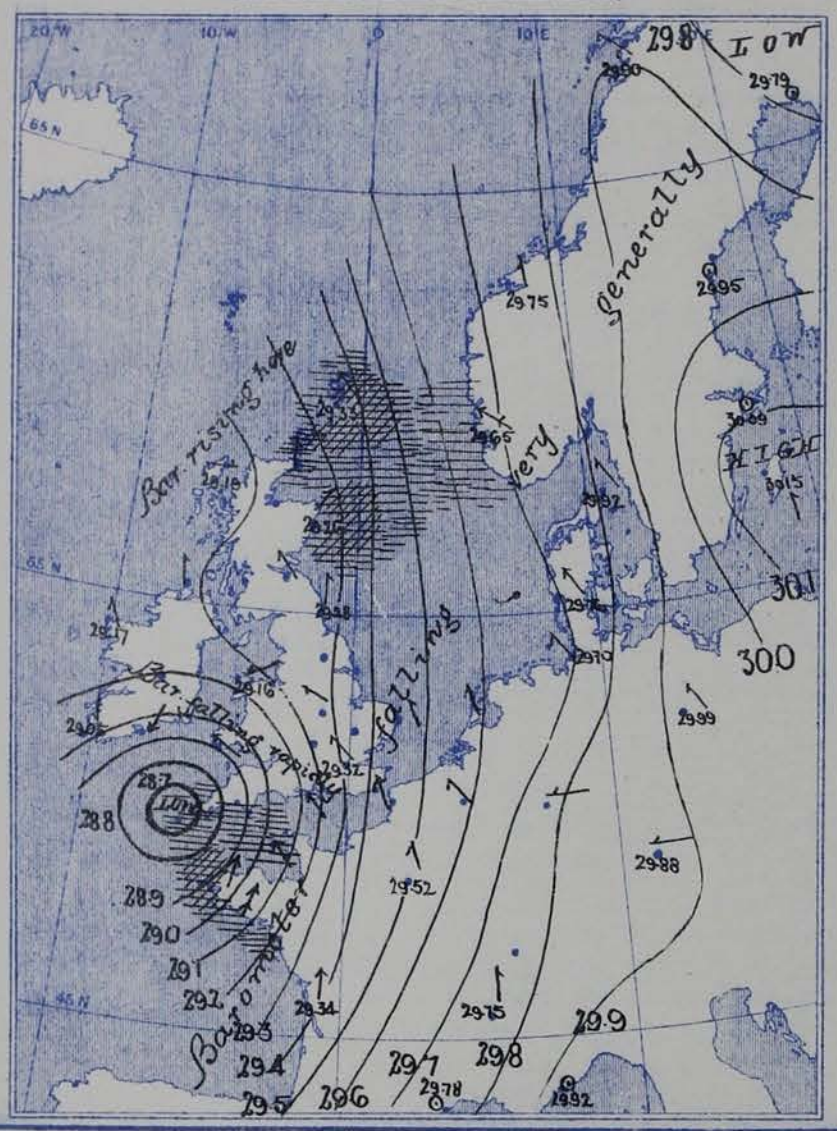
Bright Sunshine yesterday Southport 0.8 *hrs; Brighton* 0.6 *hrs; Hastings* 0.0 *hrs;* Eastbourne 0.0 hrs.

WEATHER CHARTS

FOR FRIDAY, 4th DEC., 1896.

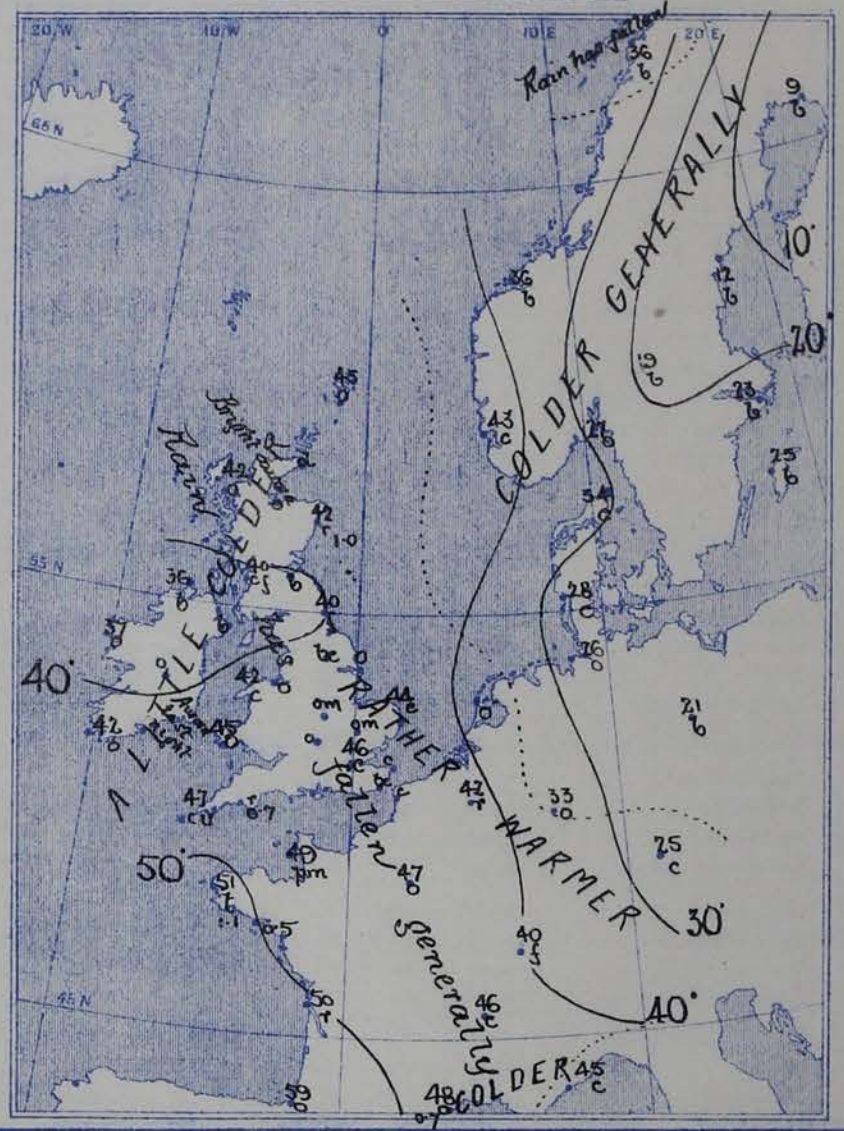
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards over the Baltic.
Lowest 28.9 ins. and less in a deep depression with its centre a little to the W^nd of the Scilly Islands.
Gradients steep over France and the south of our Islands, moderate or slight elsewhere.
Barometer rising a little on our extreme NW coasts, but falling elsewhere—rapidly in the SW of England.

TEMPERATURE

Highest 59° at Biarritz, 51° at Brest, 50° at Rochefort, 49° at Jersey and Hurst Castle, and 48° at Prawle Pt. & Perpignan.
Lowest 9° at Haparanda, 12° at Hernosand, 19° at Faeder, 21° at Berlin, 23° at Stockholm, & 25° at Uisby & Munich.
During yesterday the thermometer rose to 50° and upwards at several of our central and S^rn stations, and to 53° at Scilly.

WIND

S^ly in France, with a gale in the west; SE^ly over England, the Netherlands, Germany, Denmark and the south of Scandinavia, with a gale at Prawle Pt. and also at Skudesnaes; fresh from the N^wd or NE^wd in the south of Ireland.
Light from the S^wd in the N. of Ireland; variable in the N. of Scotland; calm in the N. of Sweden.

WEATHER

Cloudy or dull over W^rn Europe generally, with rain in the SW of England and the W. of France, as well as in the east of Scotland.
Fair or fine over the N^rn parts of England and Ireland, and also at most of the Scandinavian, Danish and German stations.
Since yesterday morning rain has fallen over the greater part of our Islands, France and the Netherlands, the largest amounts being 1.1 in. at Brest, 1.0 in. at Aberdeen, and 0.7 in. at Prawle Pt. and Perpignan.

SEA

Brilliant aurora was seen last night at Stornoway and Roche's Point.
High at Scarborough H^d and Aberdeen, as well as at Brest, and rough on our SW^rn and extreme N^rn coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression in the southwest is likely to move northwards, and will probably occasion gales from varying directions on nearly all our coasts, with heavy falls of rain in many parts of Gt. Britain.

FORECASTS

For the 24 hours ending at NOON on 5th DEC. 1896.

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH 1 SCOTLAND EAST 1 ENGLAND N.E.	SE^ly winds, increasing to a gale, with squally rainy weather.
1 ENGLAND EAST 4 MIDLAND COUNTIES 1 ENGLAND SOUTH	SE^ly to SW^ly gales and strong winds, squally and rainy at first, some improvement later.
6 SCOTLAND WEST 7 ENGLAND N.W.	E^ly winds, increasing and afterwards shifting to the SW^wd; squally, rainy.
8 ENGLAND S.W.	SE^ly gales, shifting to W. or NW, squally and rainy at first, some improvement later.
9 IRELAND NORTH 10 IRELAND SOUTH	N^ly and NW^ly winds, increasing to a gale, squally, rainy.
WARNINGS	At 10.10 am. today to districts 2, 3, 5, 7 and 8. Hoist South Cone. The Signals are now flying on all coasts.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.89	43	39	SE	6	b	4
Sumburgh Head	29.44	45	42	SSE	5	o	7
Stornoway	29.15	47	47	SSW	4	r	5
Aberdeen	29.35	45	44	SE	7	orgq	8
Shields	29.41	43	43	S	2	pd	3
Ardrossan	29.23	47	47	SE	4	o	3
Malin Head ...	28.96	46	45	S	7	o	5
Belmullet	28.93	46	44	WSW	6	o	*
Holyhead	29.28	47	46	S	5	cmp	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA
Valencia	29.16	48	43	SW	4	bc	5
Scilly	29.35	52	49	WSW	4	bc	*
Jersey	29.55	51	50	SSE	4	c	3
Hurst Castle ...	29.52	50	47	S	3	omd	3
Dungeness ...	29.59	48	48	SW	4	o	3
North Foreland	29.59	46	46	S	2	o	2
London (Westminster)	29.55	52	49	SSW	2	c	#
Yarmouth ...	29.67	44	43	SSE	3	md	4
Rochefort ...	29.73	54	54	W	3	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull and unsettled over W^m and S^m Europe generally, with rain in many parts of our Islands, France and Belgium. Fine in Scandinavia, Denmark, Germany and Austria; dull at most of the Russian stations, with snow at Kharkov, and also at Constantinople. Some improvement taking place later over Ireland and England, but heavy rain falling in the E. of Scotland, as well as at some of the French stations. Brilliant aurora seen at Stornoway & Roches Pt.

Temperature rises over Gt. Britain, France and Italy, as well as at most of the Swedish and Russian stations, fallen elsewhere. Morning reading, highest 64° at Malta and Algiers, 59° at Oran and 58° at Sanguinaire, Palermo, Nemours and La Calle. Lowest −7° F. at Moscow, −5° at Warsaw, and +4° at Archangel and Nenfahrwasser; considerably below the freezing point over the whole of Russia, Germany and Austria. Rising during day to 50° and upwards over the centre and S^m parts of our Islands; exceeding 55° in the S. of France, and reaching 60° at Lisbon.

Wind S^ly or SE^ly over our Islands, the North Sea, Denmark, Germany and the Netherlands, with a gale in the S. of Ireland and the NE. of Scotland. W^ly or SW^ly over the Bay of Biscay and the Spanish peninsula. W^ly or NW^ly over Sweden and Finland; N^ly in the S. of Russia; E^ly in Austria; NE^ly in Italy. Subsequently veering to the SW^ly on our extreme W. and SW. coasts; no important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards over the SW^m and extreme S^m parts of Russia; 30.1 ins. and upwards in an anticyclone covering the E^m parts of Europe generally. Lowest 29.0 ins. and less in a depression lying off the SW. of Ireland; 29.7 ins. and less in a shallow system over Sardinia. Irish depression subsequently moving N^wds, and barometer rising unsteadily on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 5th December 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·01	20	E	2	b	30·20	+·41	0	0	− 9	N	2	b	*	b	*	25	0	-
	Hernösand ...	29·93	16	E	0	0	30·04	+·09	23	22	+ 11	N	2	S	*	0	*	23	9	0·04
	Stockholm ...	29·97	25	SW	2	b	29·99	−·10	13	?	− 10	E	0	b	*	b	*	30	13	-
	Wisby	29·98	26	S	4	b	29·96	−·19	25	24	0	SSE	3	b	*	b	*	30	21	-
	Karlstad ...	29·94	21	ENE	2	f	29·93	−·12	15	14	− 4	NE	2	f	*	f	*	*	*	-
	Bodö	29·86	35	E	4	b	29·86	−·04	36	33	0	E	4	b	1	b	*	36	32	-
	Christiansund ...	29·68	35	SE	1	b	29·62	−·13	38	35	+ 2	SE	1	b	2	b	*	?	?	-
	Skudesnaes ...	29·62	43	SSE	4	0	29·53	−·12	44	41	+ 1	S	2	0	4	0	*	45	36	*
	Færder (Christiania Fjord)	29·89	26	NNE	3	0	29·83	−·18	23	22	− 4	N	5	0	3	0	*	27	23	-
	Skagen (The Scaw)	29·80	35	SSE	3	0	29·73	−·19	32	30	− 2	SSE	3	b	0	0	*	36	30	-
	Fanö	29·57	31	ESE	6	c	29·47	−·29	30	29	+ 2	ESE	6	c	*	c	*	32	28	-
	Sumburgh Head	29·36	45	SE	5	r	29·28	−·05	42	41	− 3	ESE	5	0	7	r	*	46	42	0·22
	Stornoway ...	29·35	38	E	0	bc	29·08	−·11	45	45	+ 3	E	4	r	4	c, bc	2·1	45	35	0·12
	Wick	29·31	37	E	0	0	29·08	−·15	44	44	0	SSE	7	r u	8	0, r	*	47	35	0·46
	Nairn	29·32	36	E	0	c	29·02	−·19	43	42	+ 1	E	1	0	1	c	*	44	34	0·16
	Aberdeen ...	29·32	38	WNW	2	0	29·04	−·22	45	44	+ 3	SE	7	0 g g r	8	bf, r g	1·7	46	37	0·48
	Leith	29·25	43	SE	3	r	28·92	−·30	45	45	+ 5	E	4	0	*	r	*	49	39	0·35
	Shields	29·19	46	ESE	4	0	28·90	−·38	46	46	+ 6	ESE	5	r	5	f, 0, r	*	47	38	0·45
	Spurn Head ...	29·01	45	ESE	5	r	28·73	−·59	44	44	+ 2	ESE	4	0	5	0, f, r	*	45	41	0·32
	York	29·06	46	E	2	r	28·80	−·49	45	45	+ 3	NE	1	r	*	0 r	0·0	46	40	0·55
	Loughborough ...	28·92	45	ESE	3	0	28·79	−·50	44	43	+ 2	NW	3	0 d	*	0 r g, p d	*	46	42	0·38
BRITISH ISLANDS.	Ardrossan ...	29·19	43	NE	2	0 f	28·89	−·32	44	44	+ 4	NNE	2	0 f	1	0 f	*	44	39	0·03
	Malin Head ...	29·21	45	NNE	4	c	28·93	−·25	43	43	+ 7	NNW	5	0 r	3	bc, c	*	45	36	0·19
	Belmullet ...	29·27	44	NNE	3	0	29·15	−·02	44	42	+ 7	NNW	2	c	*	0	*	44	33	-
	Donaghadee ...	29·14	45	NE	6	b	28·90	−·29	42	42	+ 11	NNW	4	0	3	b	*	46	31	0·41
	Liverpool (Bidston)	28·95	45	ENE	5	r	28·89	−·32	42	41	0	NW	2	r	?	m, r	*	46	36	0·42
	Holyhead ...	28·94	45	NE	7	g m r	28·91	−·25	44	43	+ 2	NNW	7	r g	5	m d, g m	*	45	41	0·33
	Parsonstown ...	29·13	40	NW	1	0	29·09	−·01	39	38	+ 5	W	1	c	*	0, r	0·0	42	33	0·06
	Valencia ...	29·25	46	NNW	5	b c g	29·13	+·08	44	40	+ 2	NNW	3	bc	3	0 g g, b c g	0·0	46	40	0·01
	Roche's Point ..	29·09	43	N	7	r	29·16	+·21	42	40	− 1	NNW	3	b	4	r	*	44	40	0·10
	Pembroke (St. Ann's Hd.)	28·79	43	NE	4	r	29·05	+·06	45	42	0	NW	6	0 g	5	0 g, r	0·0	46	39	0·61
	Scilly	28·77	46	WNW	5	r	29·21	+·52	47	45	0	WNW	6	c	6	c, r	1·1	50	41	0·34
	Prawle Point ...	28·76	44	SE	5	r	29·16	+·21	43	41	− 5	NW	6	b c g p	5	r g, p g	*	48	40	0·55
	Jersey (St. Aubin's)	28·42	49	SE	8	o m u	29·25	+·13	48	45	− 1	W	6	b c p	5	r m, g r	*	50	45	0·67
	Hurst Castle ...	28·73	48	ESE	6	r u	29·05	−·15	45	43	− 4	WSW	5	o m	3	c, p	*	49	43	0·61
	Dungeness ...	28·97	48	SSE	7	b	28·95	−·39	44	44	− 2	WSW	8	r	6	r, b, r	*	48	44	0·49
	North Foreland	29·00	47	E	6	bc	28·96	−·40	44	43	− 1	SSW	3	0	2	r, b c, l	*	47	39	0·36
	London (Brixton) ...	28·90	45	ESE	3	b m	28·93	−·39	43	42	− 3	WSW	3	0	*	r g, b, r g	0·0	47	43	0·57
	Oxford	28·80	45	NE	3	r	28·92	−·32	43	41	− 1	WSW	4	0 g u	*	0 g r	*	47	42	0·47
	Cambridge ...	28·95	46	SE	4	0	28·81	−·51	45	44	0	SW	6	d	*	0 r	0·0	47	43	0·36
	Yarmouth ...	29·17	45	ESE	8	g g r	28·85	−·56	45	43	+ 1	S	7	0 g	6	c m, r g	*	45	42	0·24
GERMANY & HOLLAND.	Cuxhaven ...	29·57	30	SE	4	b	29·43	−·27	28	28	+ 2	SE	3	c	*	b	*	32	25	-
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	29·57	−·23	35	33	+ 2	NE	7	0	*	*	*	36	32	0·24
	Munich	29·60	24	SE	4	b	29·68	−·20	24	23	− 1	E	1	c	*	b	*	34	21	-
	The Helder ...	29·30	38	SE	4	0	29·16	−·39	41	39	+ 5	SE	4	0	2	0	*	41	36	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·22	−·33	44	43	+ 2	S	6	c	*	0	*	48	42	0·08
	Cape Gris Nez ..	29·03	48	SSE	6	r	29·02	−·39	45	44	+ 1	SW	6	r	6	r	*	48	41	0·51
	Paris	29·18	50	S	4	0	29·33	−·19	46	43	− 1	SSW	6	0	*	0	*	50	46	0·39
	Brest																*			
	Lorient	28·88	49	WNW	9	0	29·42	+·40	47	44	0	WNW	6	bc	6	0	*	52	43	0·71
FRANCE &	Rochefort ...	29·26	50	WSW	7	bc	29·56	+·22	48	47	− 2	W	6	c	*	bc	*	54	46	0·35
	Belfort	29·52	41	E	3	0	29·60	−·17	41	39	+ 1	WSW	3	r	*	0	*	47	39	0·20
	Lyons ...	29·51	49	SSW	4	0	29·68	−·07	43	40	− 3	SW	1	bc	*	0	*	53	41	0·24
	Nice	29·81	47	E	4	r	29·57	−·35	47	46	+ 2	NE	5	r	5	r	*	50	43	0·98
	Perpignan ...	29·55	54	NW	2	0	29·71	−·07	48	43	0	NW	4	b	*	0	*	59	48	-
	Biarritz ...	29·60	56	N	6	r	29·71	+·21	51	47	− 9	SW	4	r	7	r	*	61	46	0·35
PENINSULA.	Corunna ...																*			
	Lisbon	30·03	58	WNW	4	c	29·88	−·05	57	56	− 3	SW	5	r	*	c	*	61	54	0·71
	Azores (P. Delgada)	30·03	65	WSW	6	0	29·92	−·18	64	63	+ 1	WSW	5	m	6	0	*	66	63	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* 0·7 *hrs; Hastings* 0·0 *hrs; Eastbourne* 0·4 *hr.*

WEATHER CHARTS

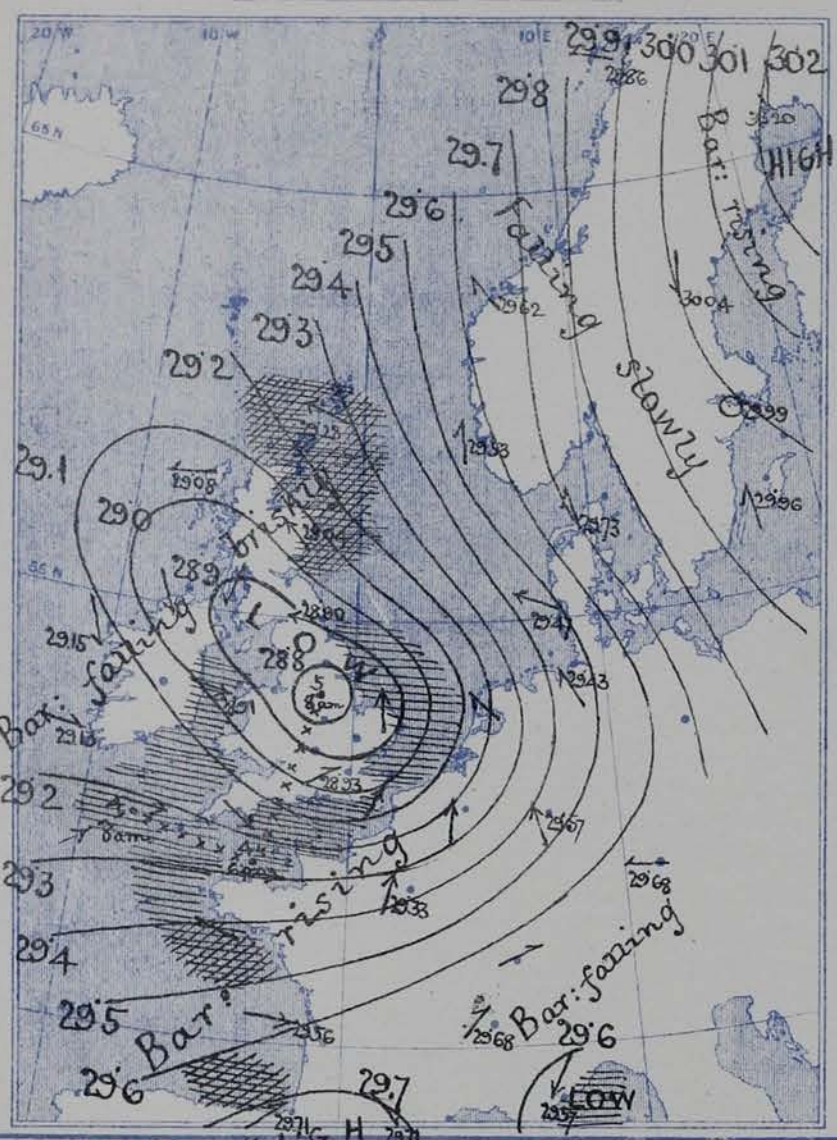
FOR Saturday, 5th December, 1896.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙

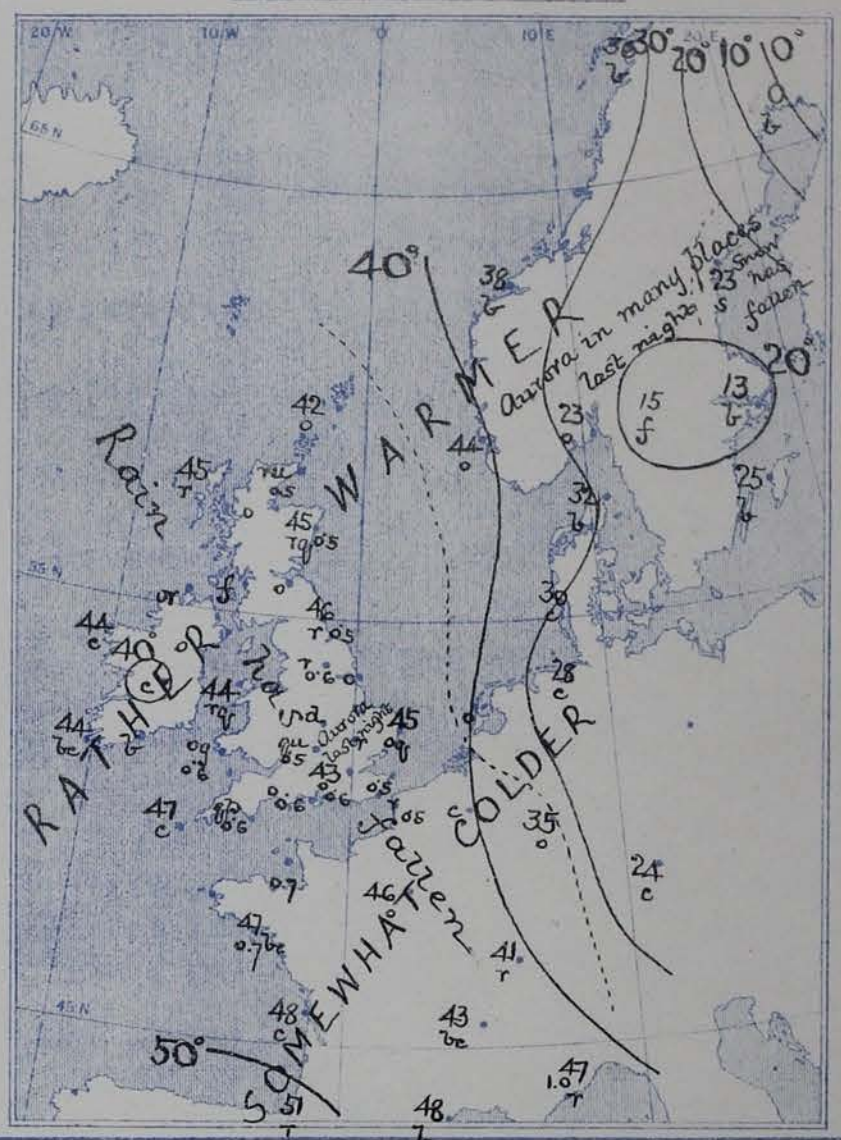
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	32 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in Lapland.
Lowest, 28·8 in: and less, in a well marked depression having its centre over Lincolnshire. At Jersey the barometer at 7 pm yesterday reached a minimum of 28·92 in.
Gradients rather steep over the North Sea, the Netherlands, and the north of France, but moderate or slight elsewhere.
Barometer rising over France and the southern parts of England, falling elsewhere – briskly in Ireland and Scotland.

TEMPERATURE

Highest, 51° at Biarritz, 48° at Jersey, Rochefort, and Perpignan, and 47° at Scilly, Lorient, and Nice.
Lowest, 0° Zero at Wefawanda, 13° at Stockholm, 15° at Karlstad, 23° at Hernösand and Sundsvall, and 24° at Munich.
During yesterday the thermometer rose to 45° and upwards in most parts of our Islands, and to 50° at Scilly and Jersey.

WIND

Moderate from the NW^ly in Ireland, and strong from the same quarter over Wales and the southwest of England.
Strong from the W^ly or SW^ly over the Channel and the northern parts of France, with a gale at Dungeness; SE^ly over the Netherlands, the North Sea, and the northern parts of Great Britain, with a moderate gale in the north of Scotland. N^ly at most of the Swedish stations.
A strong to whole gale from S. or SE. has been experienced in the southeast of England, and one equally strong gale from the N^ly at the mouth of the Channel.

WEATHER

Dull and unsettled over Western Europe generally, with rain in many parts of Great Britain, and also in the South of France.
Fine in the south of Ireland, as well as at many of the Scandinavian stations
Heavy rain fell yesterday in many parts of our Islands and France, the largest amounts being 1·0 in: at Nice and 0·7 in: at Jersey and Lorient.
Aurora was seen last night at Cambridge as well as at many of the Scandinavian stations.

SEA

Very high off the northeast of Scotland, and rough or rather so on most other parts of our own and the French coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning near Scilly, after moving eastwards to the Channel Islands has advanced in a north-northeasterly direction over England. The disturbance is likely now to move northwards or perhaps northeastwards. In the southwest of Ireland there are some signs of the advance of a new disturbance from the westward.

FORECASTS

For the 24 hours ending at NOON on 6th Decr. 1896.

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH ▼ 1 SCOTLAND EAST	SE^ly and E^ly gales and strong winds; squally, rainy.
▼ 2 ENGLAND N.E.	SE^ly to S^ly winds; unsettled, rain at times.
▼ 3 ENGLAND EAST 4 MIDLAND COUNTIES ▼ 5 ENGLAND SOUTH	SW^ly winds, strong, a gale in places; squally, showery.
6 SCOTLAND WEST	Varying E^ly winds; unsettled, rain at times.
▼ 7 ENGLAND N.W. ▼ 8 ENGLAND S.W.	Strong NW^ly winds, backing later; squally, showery.
9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly to SW^ly or S^ly winds; fair at first then rainy.
WARNINGS	At 10·30 am to district 0 and part of 1 "Keep up South Cone". The signals are still flying in districts 2, 3, 5, 7, and 8.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.63	44	37	ESE	6	c	5
Sumburgh Head	29.32	46	45	SE	5	r	7
Stornoway	29.27	44	42	W	2	e	2
Aberdeen	29.28	39	39	N	1	bf	6
Shields	29.25	44	43	ESE	4	o	3
Ardrossan	29.18	43	43	NE	2	of	2
Malin Head ...	29.17	44	42	NE	3	bc	2
Belmullet	29.21	41	40	ENE	2	o	*
Holyhead	29.01	45	44	ENE	5	ogam	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.12	45	42	N	5	o g q	5
Scilly	28.63	49	45	NE	4	c	6
Jersey	28.76	49	46	SSE	7	o	6
Hurst Castle ...	28.86	47	44	SSE	5	c	3
Dungeness ...	29.06	46	46	SSE	6	r	5
North Foreland	29.13	45	45	SE	5	r	4
London (Westminster)	28.98	48	46	SE	6	g r q	*
Yarmouth ...	29.25	45	44	SE	4	c g m	4
Rochefort ...	29.25	53	51	W	7	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 6th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·26	−10	L	0	b	30·12	−·08	12	11	+ 12	SSE	2	0	*	b	*	21	−11	—
	Hernösand ...	30·08	32	E	6	s	30·00	−·04	33	32	+ 10	S	4	0	*	s	*	33	13	0·16
	Stockholm ...	29·99	30	L	0	0	29·92	−·07	31	28	+ 18	ESE	4	b	*	0	*	31	12	—
	Wisby	29·94	31	SE	4	b	29·81	−·15	30	28	+ 5	SSE	4	b	*	b	*	32	18	—
	Karlstad ...	29·68	27	E	4	s	29·77	−·16	31	31	+ 16	ESE	6	0	*	s	*	*	*	—
	Bodö	29·48	31	E	4	b	29·73	−·13	29	26	− 7	E	6	b	2	b	*	36	27	—
	Christiansund ...	29·53	43	SE	4	b	29·45	−·17	42	37	+ 4	SE	6	c	4	b	*	43	37	—
	Skudesnaes ...	29·38	41	SE	9	0	29·35	−·18	39	35	− 5	ESE	8	0	6	c,p	*	44	37	*
	Færder (Christiania Fjord)	29·78	30	NE	6	0	29·65	−·18	36	35	+ 13	ENE	6	0	3	0	*	?	23	—
	Skagen (The Scaw)	29·65	35	SE	4	0	29·56	−·17	34	33	+ 2	SSE	4	s	?	0	*	36	30	0·04
	Fanö	29·43	34	SE	6	0	29·36	−·11	34	33	+ 4	SE	4	0	*	0	*	34	30	—
BRITISH ISLANDS.	Sumburgh Head	29·08	41	ESE	6	c	29·00	−·28	45	43	+ 3	SE	6	b	8	r 0	*	45	41	0·31
	Stornoway ...	28·80	45	ESE	4	0	28·75	−·33	46	44	+ 1	SE	5	0	5	0	0·1	46	37	0·10
	Wick	28·85	44	SSE	9	r	28·93	−·15	44	42	0	S	7	c	8	r	*	46	43	0·32
	Nairn	28·72	42	E	1	r	28·86	−·16	42	40	− 1	SSE	2	c	1	r	*	45	34	0·12
	Aberdeen ...	28·78	45	ESE	10	orgq	28·96	−·08	41	39	− 4	SSW	2	ohrw	7	orgq	0·0	46	41	0·41
	Leith	28·74	45	E	2	r	?28·84	−·08	38	37	− 7	ESE	1	c	*	r	*	46	37	0·10
	Shields	28·77	45	E	3	r	28·88	−·02	44	43	− 2	ESE	5	pq	6		*	46	38	0·22
	Spurn Head ...	28·96	43	SSW	6	0	28·79	+·06	42	42	− 2	ESE	6	op	5		*	45	40	0·05
	York	28·89	44	SE	2	0	28·83	+·03	42	41	− 3	E	2	0	*		0·0	46	36	0·07
	Loughborough ...	29·00	42	WSW	2	b	28·75	−·04	41	40	− 3	E	3	0	*	b	*	44	36	0·04
	Ardrossan ...	28·72	44	ENE	1	ofd	28·84	−·05	38	37	− 6	NNE	2	bm	2	ofd	*	44	36	0·10
	Malin Head ...	28·73	43	WSW	1	og	28·75	−·18	40	40	− 3	S	4	0	2	d,g	*	44	40	0·11
	Belmullet ...	28·84	44	NNW	3	bop.	28·78	−·37	44	43	0	ENE	2	c	*	bc,p	*	45	39	0·25
	Donaghadee ...	28·77	39	W	3	op	28·81	−·09	43	42	+ 1	E	4	c	2	op	*	45	36	0·03
	Liverpool (Bidston)	28·91	42	SSW	1	rm	28·74	−·15	40	38	− 2	E	4	0	?	rm	*	?47	36	0·03
	Holyhead ...	28·86	44	SW	4	cpd	28·72	−·19	41	40	− 3	ENE	5	c	3	rm,cpd	*	44	38	0·02
	Parsonstown ...	28·87	36	S	1	b	28·79	−·30	30	30	− 9	N	1	0	*	b	4·2	43	28	—
	Valencia ...	28·85	38	NE	1	bc	28·82	−·31	44	41	0	NNE	3	rq	4	c,bc	1·4	45	40	0·06
	Roche's Point ...	28·89	38	SSE	1	c	28·74	−·42	40	38	− 2	NNE	3	0	4	c	*	45	36	—
	Pembroke (St. Ann's Hd.)	28·94	44	SW	4	bc	28·55	−·50	41	40	− 4	E	4	0	4	bc	2·3	46	39	0·23
	Scilly	28·82	44	ESE	5	r	28·46	−·75	50	49	+ 3	NW	1	0	5	o,r	2·0	50	41	0·51
	Prawle Point ...	28·99	44	ESE	4	c	28·51	−·65	43	43	0	ESE	3	r	3	rq,cr	*	48	41	0·61
	Jersey (St. Aubin's)	29·09	47	SSE	5	og	28·57	−·68	47	46	− 1	SSW	5	ormw	5	bc or	*	51	44	0·38
	Hurst Castle ...	29·09	44	SSW	4	or	28·55	−·50	48	47	+ 3	ESE	4	rm	3	b,or	*	48	43	0·42
	Dungeness ...	29·14	47	SW	6	c	28·69	−·26	45	45	+ 1	SSE	7	r	6	c	*	48	42	0·15
	North Foreland	29·48	45	SSW	2	r	28·74	−·22	44	43	0	SE	6	0	5	bc r	*	48	40	0·11
	London (Brixton) ...	29·11	42	SSW	3	b	28·64	−·24	44	43	+ 1	SE	4	0	*	o,b,p	0·3	46	40	0·15
	Oxford	29·03	41	SW	2	c	28·66	−·26	42	42	− 1	E	4	od	*	o,c	*	45	40	0·06
	Cambridge ...	29·09	41	SSW	2	b	28·74	−·07	42	42	− 3	ESE	4	ogm	*	b	0·1	46	39	0·05
	Yarmouth ...	29·11	44	S	4	c	28·84	−·01	43	41	− 2	SE	7	rqg	6	c	*	46	40	0·06
GERMANY & HOLLAND.	Cuxhaven ...	29·42	36	SSE	4	0	29·26	−·17	33	?	+ 5	ESE	3	0	*	o.	*	37	28	—
	Berlin	29·65	27	SE	3	c	29·43		27	25		SE	3	b	*	c	*	28	24	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29·58	31	L	0	0	29·31	−·37	25	25	+ 1	E	3	f	*	o	*	34	22	—
	The Helder ...	29·26	43	S	3	0	29·04	−·12	38	36	− 3	ESE	3	bc	2	o	*	45	37	—
BELGIUM.	Brussels ...	*	*	*	*	*	28·95	−·27	42	39	− 2	SE	7	0	*	b	*	47	38	—
	Cape Gris Nez ..	29·20	43	SSW	5	b	28·79	−·23	45	43	0	S	4	r	5	b	*	48	39	0·16
	Paris	29·33	43	SSE	3	bc	28·83	−·50	45	44	− 1	SE	4	r	*	bc	*	50	41	0·24
	Brest	28·86	46	SE	5	r	28·49	−·94	48	46	+ 3	SSE	2	c	6	r	*	50	41	0·67
	Lorient	29·02	48	S	5	?	28·56	−·86	47	47	0	SSW	6	r	5	?	*	50	43	0·63
FRANCE &	Rochefort ...	29·19	46	S	7	r	28·85	−·71	50	50	+ 2	SW	9	r	*	r	*	52	46	0·91
	Belfort	29·50	38	L	0	b	29·10	−·50	36	34	− 5	ENE	6	c	*	b	*	46	33	—
	Lyons	29·50	44	S	2	bc	28·99	−·69	48	44	+ 5	SSE	5	0	*	bc	*	53	41	1·38
	Nice	29·59	45	L	0	bc	29·48	−·09	49	42	− 4	E	2	r	4	bc	*	54	39	0·59
	Perpignan ...	29·42	50	SW	4	b	29·06	−·65	56	50	+ 8	S	4	0	*	b	*	58	42	—
	Biarritz ...	29·21	55	WSW	8	0	28·97	−·74	55	46	+ 4	SW	6	b	7	0	*	55	45	0·28
PENINSULA.	Corunna ...																*			
	Lisbon	29·56	60	SW	7	r	29·75	−·13	49	45	− 8	W	5	0	*	r	*	61	49	0·43
	Azores (P. Delgada)	30·23	54	NNW	4	bc	30·29	+·37	55	49	− 9	NNW	4	c	3	bc	*	66	52	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

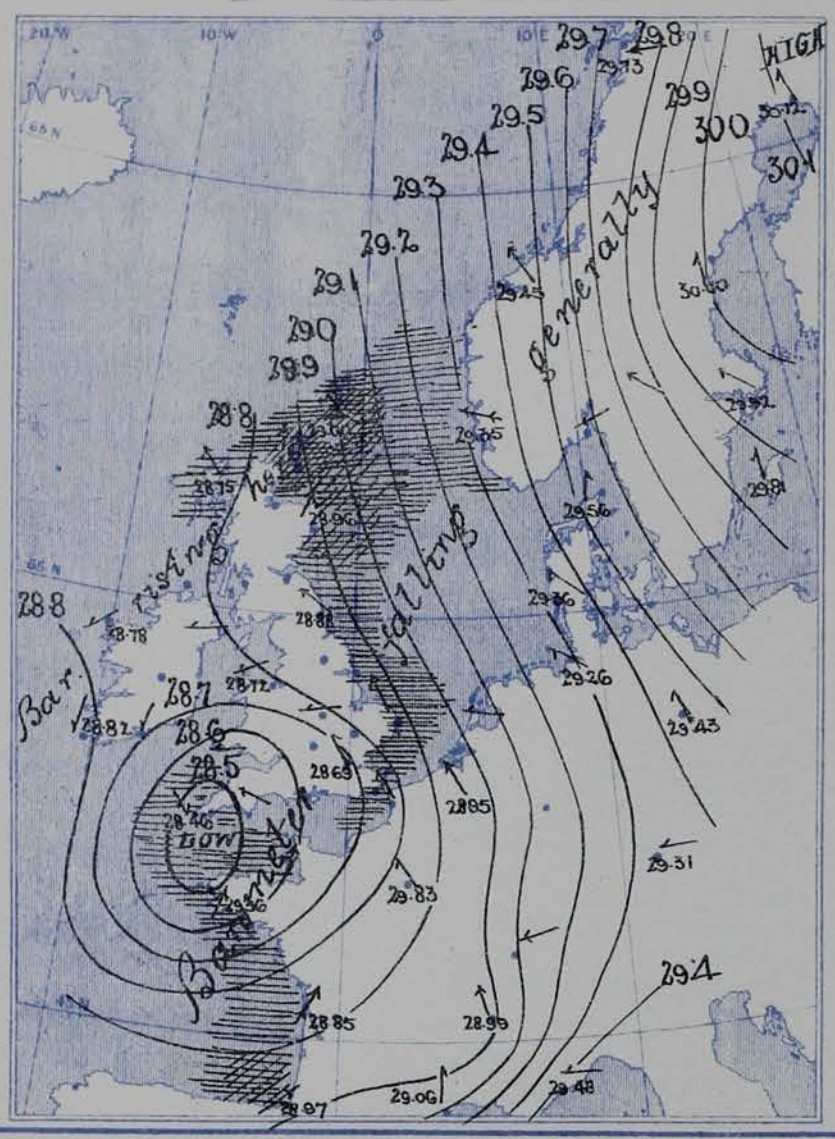
Bright Sunshine yesterday Southport 0·0 *hrs;* Brighton ? *hrs;* Hastings ? *hrs;* Eastbourne 1·3 *hrs.*

WEATHER CHARTS

FOR SUNDAY, 6th DEC.R 1896.

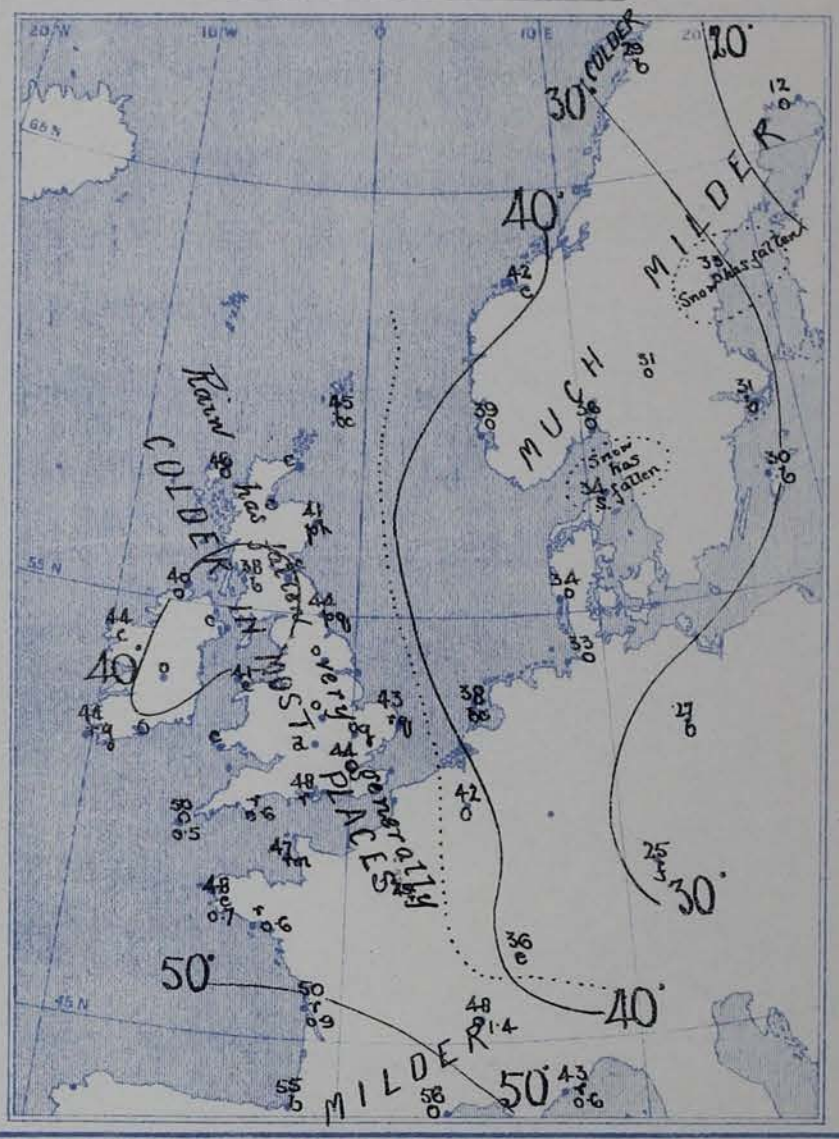
BAROMETER, WIND AND SEA.

BAROMETER. Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum.	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in. and upwards in Lapland; 29·7 in. and upwards in the south of Portugal.
Lowest, 28·5 in. and less, in a well marked depression having its centre at the mouth of the English Channel.
Gradients slight to moderate over our Islands and France, rather steep over Scandinavia, Denmark, and the North Sea, and steep over the Spanish Peninsula.
Barometer falling at all but the Scotch stations – briskly over France and our south coasts.

TEMPERATURE

Highest, 56° at Perpignan, 55° at Biarritz, 50° at Scilly and Rochefort, 49° at Lisbon, and 48° at Hunt Castle, Brest and Lyons.
Lowest, 12° at Haparanda, 25° at Munich, 27° at Berlin, 29° at Bodo, and 30° at Wick.
During yesterday the thermometer rose to 45 and upwards over the United Kingdom generally, to 50° at Scilly, and to 51° at Jersey.

WIND

Strong to a gale from the SW.ly in the west of France; fresh to strong from the SE.ly over Central France, the south and southeast of England, the Netherlands, Denmark, Scandinavia, the North Sea, and the north of Scotland, with a gale at Skudenaes.
Moderate from the E.ly over the northern parts of England and Ireland; light from the N.ly in the south of Ireland.

WEATHER

Cloudy and unsettled over Western Europe as a whole, with steady rain in the southeast of England and the northern parts of France, and with passing showers on our southeast coasts. Snow is falling at Skagen.
Fine in the south of Sweden, and also at Berlin and Biarritz.
Rain fell yesterday in nearly all part of our Islands and France; the largest amounts reported being 1·4 in. at Lyons, 0·9 in. at Rochefort, 0·7 in. at Brest, and 0·6 in. at Travemünde and Lorient.

SEA

Very high off the north of Scotland, high at Biarritz, rough or rather so on our eastern, southern, and the French coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7th Dec. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
⚠ 0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
⚠ 1 SCOTLAND EAST		⚠ 7 ENGLAND N.W.	
⚠ 2 ENGLAND N.E.		⚠ 8 ENGLAND S.W.	
⚠ 3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
⚠ 5 ENGLAND SOUTH		WARNINGS	At 9·40 am today to districts 1 to 3. 5. 7 and 8 Hoist South Cone; The signals are still flying on district 0.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ..	29.43	43	38	SE	6	c	4
Sumburgh Head	29.14	42	41	ESE	5	r	8
Stornoway	28.89	46	46	ESE	4	o	4
Aberdeen	28.88	45	44	SE	9	ogq	8
Shields	28.78	45	45	E	4	p	5
Ardrossan	28.71	44	44	L	0	o	0
Malin Head ...	28.79	43	43	WSW	3	o	2
Belmullet	28.96	45	44	NNW	4	bc	*
Holyhead ..	28.89	43	42	WSW	4	om	4
Valencia	28.97	45	41	L	0	c	3
Scilly	29.03	46	44	SSW	3	o	5
Jersey	29.21	50	46	SW	5	bc	5
Hurst Castle ...	29.12	47	43	SW	5	b	3
Dungeness ...	29.12	47	45	WSW	6	c	5
North Foreland	29.14	47	44	SW	4	bc	3
London (Westminster)	29.18	47	44	SW	3	o	*
Yarmouth ...	29.01	46	44	SSW	5	o	5
Rochefort ...	29.47	51	50	SW	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy and unsettled over Western and Southern Europe generally, with rain in many parts of Great Britain as well as in Northern Italy and the neighbouring parts of France and Austria. Fog in the south of Ireland, and also in most parts of Scandinavia, Denmark, Germany, and the south of Russia. Snow reported over northern and Central Russia, as well as at Hernosand. Temporary improvement taking place later in the south of England, but rain again setting in at night in that district and also over France, amounts very large in places. Snow falling at several of the London stations.

Temperature rises in the north of our Islands, as well as in the Netherlands, Germany and Italy, fallen in most other localities. Morning readings highest 61° at Vernouse and Nice, 60° at Algiers and 59° at Malta, above 50° at the Mediterranean, Adriatic and Spanish coast stations generally. Lowest 0 zero at Haparanda and Cracow, +1° at Hernosand, and 2° at Riga and Warsaw; considerably below the freezing point over the whole of Eastern and Central Europe. Rising during day to 45° and upwards over the United Kingdom generally and to 50° or more in the Scilly and Channel Islands, exceeding 55° in the south of France, and reaching 61° at Lisbon.

Wind fresh to strong from the W^ly or NW^ly on the west coasts of our Islands and France; strong from the SW^ly in the eastern parts of the Channel, and from the S^ly in the Netherlands and the eastern parts of England and France; strong from the SE^ly in the east of Scotland, as well as in Norway, Denmark, Germany, Austria, and Italy. N^ly over Sweden and northern Russia; calm or variable in the south of Russia. Subsequently backing to the S^ly or SE^ly over the Channel and Bay of Biscay, and blowing a gale in many places. Strong SE^ly gale springing up also in the northeast of Scotland.

Barometer highest 30.4 in. and upwards in the extreme south of Russia, 30.1 in. and upwards in an anticyclone covering the whole of southeastern Europe, and also in another system over the northern parts of Finland and Sweden. Lowest 28.8 in. and less, in a well-marked depression having its centre over Lincolnshire; 29.6 in. in a shallow disturbance over the Gulf of Genoa. Former depression subsequently travelling away to the northwestward, but new disturbance approaching our southwest coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 7th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·08	20	S	4	0	30·08	-·04	14	13	+ 2	SE	2	0	*	0	*	25	-11	-
	Hernösand ...	29·94	31	SE	2	0	29·95	-·05	30	29	- 3	ESE	2	0	*	0	*	34	30	-
	Stockholm ...	29·84	33	E	6	0	29·88	-·04	32	31	+ 1	E	8	0	*	0	*	34	28	-
	Wisby	29·72	32	SSE	8	0	29·60	-·21	33	29	+ 3	SSE	8	0	*	0	*	34	30	-
	Karlstad ...	29·65	33	E	4	S	29·60	-·17	33	32	+ 2	E	4	0	*	rs	*	*	*	0·12
	Bodö	29·72	29	E	6	b	29·72	-·01	32	31	+ 3	E	5	0	2	b	*	32	25	-
	Christiansund ...	29·44	42	SE	5	c	29·43	-·02	41	37	- 1	SE	2	c	3	c	*	42	39	-
	Skudesnaes ...	29·27	40	ESE	6	0	29·27	-·08	41	39	+ 2	2	0	bc	3	0	*	43	37	*
	Færder (Christiania Fjord)	29·53	34	NE	5	S	29·50	-·15	35	33	- 1	NE	6	0	3	S	*	36	34	0·32
	Skagen (The Scaw)	29·41	37	ESE	4	0	29·38	-·18	36	35	+ 2	ESE	5	0	2	0	*	37	32	0·16
	Fanö	29·20	31	SE	6	b	29·15	-·21	33	33	- 1	SE	4	0	*	b	*	34	30	-
BRITISH ISLANDS.	Sumburgh Head	29·15	44	SE	5	0	29·21	+·21	41	40	- 4	ESE	4	0	7	0	*	45	40	0·02
	Stornoway ...	28·96	45	SSE	4	b	29·11	+·36	42	42	- 4	NNW	3	0	3	c.b	0.4	46	36	0·04
	Wick	29·03	46	SE	5	r	29·10	+·17	42	42	- 2	ESE	3	ru	7	r	*	46	41	0·51
	Nairn	28·99	41	2	0	0	29·10	+·24	38	38	- 4	2	0	r	1	0	*	42	37	0·42
	Aberdeen ...	29·01	45	ESE	8	o q p	29·10	+·14	41	40	0	E	2	oqr	7	o.r	0·0	45	40	0·93
	Leith	28·79	42	SE	2	r	29·03	+·19	42	42	+ 4	NNW	2	rm	*	r	*	44	37	0·36
	Shields	28·85	45	E	5	pq	28·99	+·11	44	44	0	WSW	2	r	3	qp.r	*	47	42	0·28
	Spurn Head ...	28·79	44	ESE	5	oq	29·05	+·26	41	41	- 1	W	2	f	3	oq.f	*	44	40	0·12
	York	28·79	44	E	1	r	29·05	+·22	43	43	+ 1	SW	1	0	*	or	0·0	45	40	0·17
	Loughborough ...	28·77	44	ESE	1	0	29·08	+·33	41	40	0	WNW	3	0	*	gm.pdh	*	44	37	0·11
	Ardrossan ...	28·87	43	NNE	2	0	29·09	+·25	41	41	+ 3	NW	2	rm	1	0	*	46	36	0·34
	Malin Head ...	28·95	42	SSW	3	c	29·22	+·47	44	43	+ 4	NW	6	op	5	bc.c	*	44	40	0·05
	Belmullet ...	29·04	46	NW	5	eqf	29·43	+·65	41	38	- 3	NNW	3	c	*	c.pq	*	46	38	0·10
	Donaghadee ...	28·87	45	ENE	5	c	29·16	+·35	43	43	0	WNW	6	oq	4	c	*	45	41	0·08
	Liverpool (Bidston)	28·78	41	NE	1	r	29·11	+·37	43	42	+ 3	NNW	4	r	3	rf	*	44	40	0·36
	Holyhead ...	28·79	44	NE	4	dm	29·18	+·46	44	43	+ 3	NW	8	rq	7	odm	*	45	40	0·52
	Parsonstown ...	28·96	40	NW	1	r	29·41	+·62	36	34	+ 6	W	2	b	*	or, b	0·0	43	29	0·05
	Valencia ...	29·13	44	NNW	7	qp	29·52	+·70	45	40	+ 1	W	5	bc	5	oqp	0·0	47	41	0·19
	Roche's Point ..	28·94	45	NNW	5	bc	29·50	+·76	40	37	0	NW	4	b	4	bc	*	46	37	-
	Pembroke (St. Ann's Hd.)	28·78	43	NNE	4	r	29·34	+·79	43	40	+ 2	NNE	6	bq	5	or	0·0	45	40	0·52
	Scilly	28·80	48	NNW	8	c	29·44	+·98	47	43	- 3	NNW	7	c	5	o,c	0·0	50	42	0·22
	Prawle Point ...	28·73	43	NNW	3	c	29·31	+·80	42	40	- 1	WNW	6	bc	5	p	*	45	40	0·24
	Jersey (St. Aubin's)	28·62	47	SE	3	opm	29·32	+·75	48	45	+ 1	WNW	6	cmrq	5	or	*	49	45	0·29
	Hurst Castle ...	28·70	46	ENE	2	op	29·19	+·64	42	40	- 6	NW	3	rm	2	op	*	50	42	0·11
	Dungeness ...	28·76	47	SSE	5	bc	29·05	+·36	42	42	- 3	NW	2	r	2	bc	*	50	42	0·12
	North Foreland	28·79	46	SE	4	c	29·05	+·31	42	42	- 2	W	4	r	3	c	*	48	40	0·12
	London (Brixton) ...	28·76	45	SSE	2	bm	29·11	+·42	43	42	- 1	NNW	2	ogm	*	or.bc.bm	0·7	48	38	0·06
	Oxford	28·81	44	ENE	1	0	29·15	+·49	41	40	- 1	NNW	2	o	*	ogr	*	48	39	0·22
	Cambridge ...	28·79	43	ESE	1	c	29·10	+·36	40	40	- 2	NNW	1	ogm	*	o, c	0·0	47	34	0·03
	Yarmouth ...	28·79	44	SE	4	0	29·02	+·18	41	40	- 2	W	1	bcf	4	0	*	45	39	0·05
GERMANY & HOLLAND.	Cuxhaven ...	29·10	28	SE	5	c	29·08	-·18	30	30	- 3	ESE	2	0	*	o.r	*	37	28	0·04
	Berlin	29·22	31	SSE	2	b	29·16	-·27	32	31	+ 5	2	0	0	*	b	*	36	27	-
	Wiesbaden ...	*	*	*	*	*	29·16		34	33		2	0	0	*	*	*	37	32	0·08
	Munich... ..	29·05	34	SW	5	0	29·28	-·03	34	31	+ 9	SSW	3	c	*	0	*	37	25	0·08
	The Helder ...	28·93	38	ESE	2	r	29·05	+·01	37	35	- 1	SE	1	bc	1	r	*	39	36	0·32
BELGIUM.	Brussels ...	*	*	*	*	*	29·04	+·09	43	41	+ 1	SE	2	0	*	0	*	46	41	-
	Cape Gris Nez...	28·79	47	SE	4	c	29·03	+·24	43	42	- 2	NNW	3	r	2	c	*	50	39	0·08
	Paris	28·81	46	SE	4	r	29·09	+·26	46	44	+ 1	WSW	4	0	*	r	*	49	44	0·16
	Brest	28·78	48	NW	6	c	29·44	+·95	45	44	- 3	NW	5	c	5	c	*	52	52	0·63
	Lorient... ...	28·75	47	N	6	bc	29·47	+·91	47	45	0	NW	6	bc	7	bc	*	48	43	-
FRANCE &	Rochefort ...	28·84	51	WSW	9	c	29·50	+·65	50	49	0	NW	9	0	*	c	*	55	48	0·28
	Belfort	29·09	37	E	1	0	29·20	+·10	41	40	+ 5	SSW	7	0	*	0	*	41	34	0·08
	Lyons	29·15	41	S	1	r	29·42	+·43	45	41	- 3	SW	5	0	*	r	*	54	38	0·24
	Nice	29·19	46	SW	3	bc	29·49	+·01	46	40	+ 3	SW	3	bc	5	r.bc	*	50	43	2·99
	Perpignan ...	29·20	54	NW	4	b	29·63	+·57	50	42	- 6	NW	3	0	*	b	*	58	45	-
	Biarritz ...																*			
PENINSULA.	Corunna ...																*			
	Lisbon	29·88	50	NNW	5	bc	30·11	+·36	49	47	0	NNW	4	c	*	bc	*	55	48	0·32
	Azores (P. Delgada)	30·26	55	2	0	0	29·91	-·38	59	57	+ 4	SSW	7	0	7	0	*	59	52	0·04

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.0 hrs; Brighton 4.0 hrs; Hastings 3.5 hrs; Eastbourne 3.8 hrs

WEATHER CHARTS

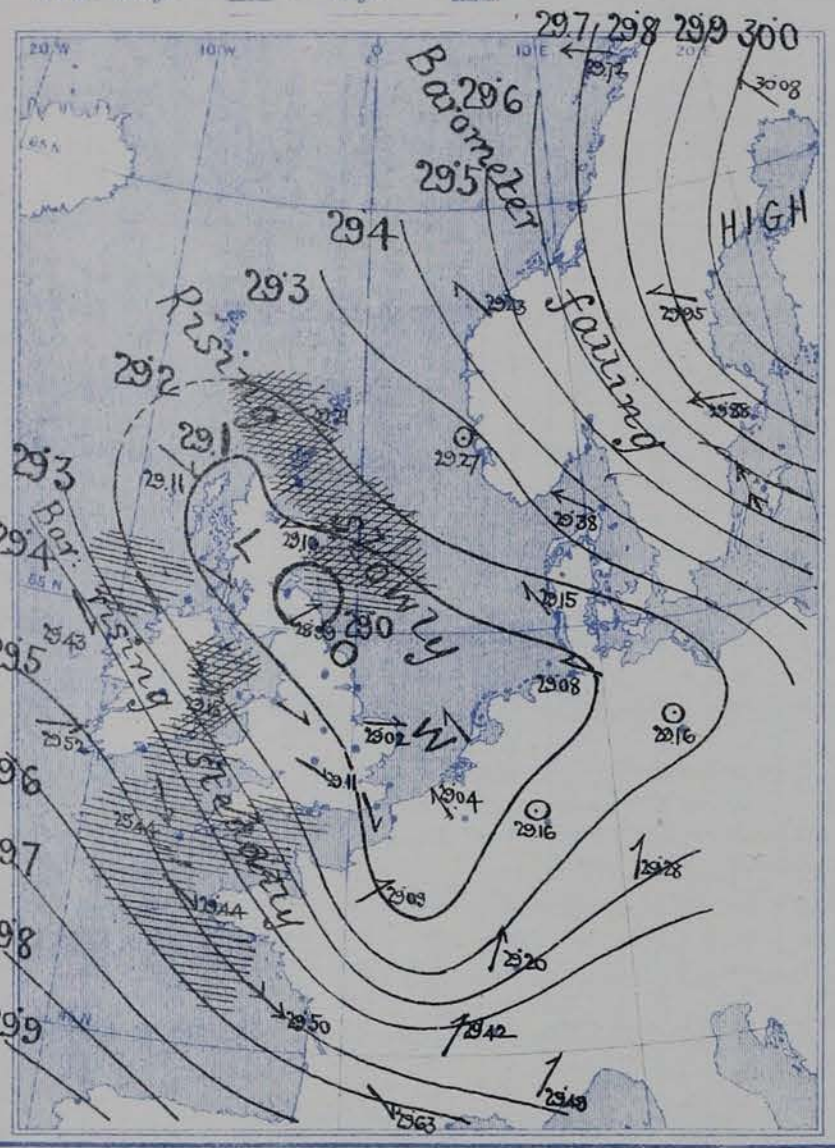
FOR *Monday, 7th December,* 1896.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ➔ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ➔ : *Force 1 to 4* ⟶ : }

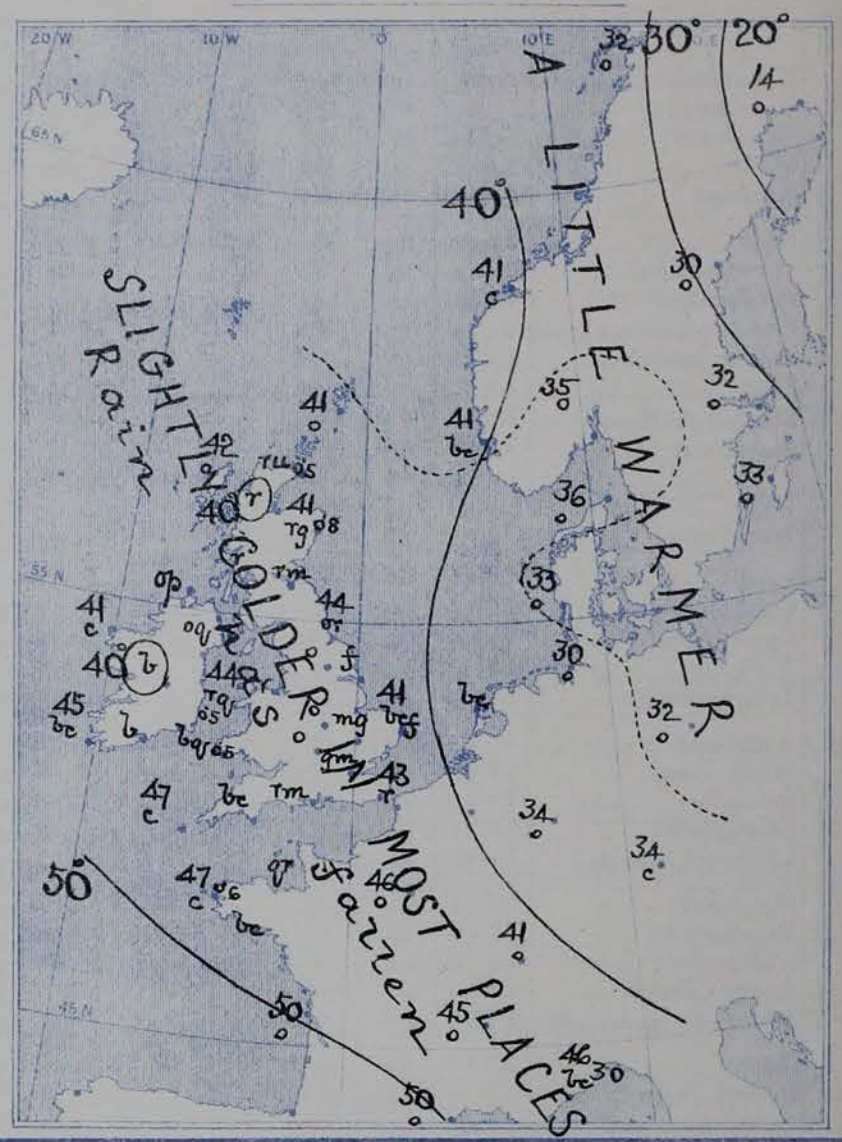
SEA—*Rough* : *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards in the south of Portugal; 30·0 in: and upwards over the Gulf of Bothnia.
Lowest, 29·0 in: and less, in a small depression lying off the coast of Northumberland; 29·1 in: and less, in a complex area covering all the more northern and eastern parts of Great Britain, and embracing also the northeast of France, the Netherlands, and the southern parts of the North Sea.
Gradients slight over Great Britain and the North Sea, rather steep in most other parts of our area.
Barometer rising at all but the Scandinavian and Danish stations;– quickly in the southwest of our Islands and the west of France.

TEMPERATURE

Highest, 50° at Rochefort and Perpignan, 49° at Lisbon, 48° at Jersey, and 47° at Sicily and Lorient.
Lowest, 14° at Haparanda, 30° at Hernösand and Carlsborg, and 32° at Pola, Stockholm and Berlin; lowest in our Islands 36° at Parsonstown, and 38° at Kew.
A slight ground frost occurred last night over the inland parts of England

WIND

Strong to a gale from the NW^ly on the west coasts of our Islands and France.
Light to fresh from the W^ly in the east of England and from the SW^ly over Central France.
E or SE over Scandinavia, Denmark and the north of Scotland, with a gale in the south of Sweden.

WEATHER

Dull and unsettled over Western Europe as a whole, with rain in many parts of Great Britain and also in the north of France.
Fine at present over the southern parts of Ireland.
Rain fell yesterday in nearly all parts of our area, the largest amounts reported in our Islands being 0·8 in: at Aberdeen, and 0·5 in: at Wick, Holyhead, and Pembroke. At Nice the fall is said to have amounted to nearly 3 inches.

SEA

High off the north and northeast of Scotland, as well as at Lorient and Holyhead, rather rough on the west coasts of our Islands and France generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near the mouth of the Channel yesterday morning has travelled northeastwards and is gradually filling up. The barometer is at present rising briskly in the west, but the backing of the wind to W. at Valencia (Ireland) seems to show that other depressions are advancing from the Atlantic

FORECASTS

For the 24 hours ending at NOON on 8th Decr. 1896.

DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH; ▼ 1 SCOTLAND EAST	Varying E^ly breezes; dull, rainy.
▼ 2 ENGLAND N.E.; ▼ 3 ENGLAND EAST; 4 MIDLAND COUNTIES	W^ly winds, freshening; unsettled, some cold showers.
▼ 5 ENGLAND SOUTH	NW^ly and W^ly winds, freshening considerably; unsettled, some cold showers.
6 SCOTLAND WEST	NW^ly winds, freshening, unsettled, showery.
▼ 7 ENGLAND N.W.; ▼ 8 ENGLAND S.W.	NW^ly gales, moderating later; squally, some showers.
▼ 9 IRELAND NORTH; ▼ 10 IRELAND SOUTH	NW^ly winds, backing later, unsettled, some showers.
WARNINGS	At 7 pm yesterday to districts 9 and 10 "HOIST NORTH CONE". The signals are still flying in all districts excepting No 6.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·58	41	36	E	7	o	5
Sumburgh Head							
Stornoway	28·88	46	44	S	5	c	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	28·84	43	42	SSE	4	bc	1
Belmullet	28·90	45	40	NNW	3	c	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	28·65	48	47	ESE	5	o	5
Hurst Castle ...							
Dungeness ...	28·72	49	47	S	5	bc	5
North Foreland	28·74	47	45	SSE	4	c	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	28·67	53	51	SW	9	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF THE CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 29TH NOV: TO THE 5TH DEC.

Shortly after the commencement of the week, the anticyclone which had hitherto passed away to the northward of our Islands advanced once more in a southerly direction over Great Britain, so that while strong E winds continued to prevail for a time on our southern coasts the weather was mostly fine and bright.

During the latter part of November 30th, however, an area of low pressure appeared off our southwest coasts, the system eventually spreading eastwards over a considerable portion of our Islands, and occasioning SE gales on most of our coasts, with dull, rainy weather in nearly all districts.

On December 3rd the depression in the southwest moved northwards along our extreme western coasts, and in its rear the wind in the west veered to SW, with a rather decided improvement in the weather. Early next morning, however, the centre of a very deep depression appeared suddenly near the mouth of the English Channel, where the wind increased to a gale from the S with heavy rain. Later in the day the disturbance advanced eastwards to the Channel Islands, and increased in depth, the barometer at Jersey falling at 7 pm to a minimum of 28·32 in. At night, however, the depression changed its course and advanced northwards over England the wind in the meantime increasing to a "whole gale" on our southeast coasts, with heavy rain at most of our southern stations. At the close of the week the system was travelling northeastwards across our northern districts, and was occasioning a strong SE gale on the east coasts of Scotland. On our southwest coasts there were at the same time distinct indications of the advance of another disturbance from the southward.

Temperature was at first low for the time of year with sharp frost over our northern and Central Districts. On the night of the 29th the thermometer fell below 25° in many parts of England, while in the following night similarly low readings were reported in Scotland. On Dec 1st, however, the thermometer began to rise, and for the remainder of the week it was mostly above its average height.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 8th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·09	−2	N	0	b	30·09	+ ·01	13	13	− 1	SSE	2	0	*	b	*	19	−22	—
	Hernösand ...	29.94	28	NE	4	0	29.94	− ·01	31	30	+ 1	NE	4	s	*	0	*	32	27	0·04
	Stockholm ...	29.66	34	SE	6	r	29.71	− ·17	34	34	+ 2	E	6	r	*	r	*	34	30	0·04
	Wisby	29.54	35	SSE	6	r	29.59	− ·01	39	37	+ 6	SE	4	r	*	r	*	39	25	0·16
	Karlstad ...	29.59	33	ENE	2	s	29.66	+ ·06	33	32	0	NE	2	s	*	s	*	*	*	0·35
	Bodö	29.72	36	E	6	0	29.72	·00	39	33	+ 7	ENE	5	c	2	0	*	39	30	—
	Christiansund ...	29.48	40	SE	3	b	29.58	+ ·15	45	41	+ 4	N	0	0	3	b	*	45	39	—
	Skudesnaes ...	29.44	37	NE	8	0	29.60	+ ·33	35	33	− 6	NNE	6	0	3	0	*	?	?	*
	Færder (Christiania Fjord)	29.50	35	NNE	6	s	29.63	+ ·13	34	32	− 1	NNE	6	0	3	s	*	36	34	0·35
	Skagen (The Scaw)	29.44	37	E	4	r	29.52	+ ·14	37	36	+ 1	E	3	0	0	r	*	37	36	0·08
	Fanö	29.32	33	N	0	s	29.48	+ ·33	33	33	0	WNW	2	r	*	s	*	34	32	0·24
BRITISH ISLANDS.	Sumburgh Head	29.35	42	ESE	3	0	29.45	+ ·24	41	39	0	SSE	1	c	4	0	*	40	39	0·05
	Stornoway ...	29.32	43	N	0	c	29.35	+ ·24	45	44	+ 3	S	4	0	4	r, c	0·0	45	33	0·12
	Wick	29.31	41	SE	1	r	29.42	+ ·32	39	38	− 3	W	1	bc	5	r	*	43	38	0·48
	Nairn	29.30	38	W	1	0	?29.35	+ ·25	31	30	− 7	N	0	c	1	0	*	41	30	0·17
	Aberdeen ...	29.27	42	NNW	5	ogqr	29.51	+ ·41	36	35	− 5	SW	1	bm	5	orgq	0·0	43	36	0·54
	Leith	29.31	41	NW	2	0	29.53	+ ·50	36	35	− 6	N	0	om	*	0	*	42	34	0·05
	Shields	29.27	41	WNW	1	or	29.58	+ ·59	38	37	− 6	W	1	m	3	or	*	45	35	0·13
	Spurn Head ...	29.30	42	WNW	4	0	29.65	+ ·60	39	38	− 2	WSW	4	b	4	om, f	*	43	36	—
	York	29.32	42	SSW	1	0	29.65	+ ·60	37	36	− 6	S	1	c	*	0	0·0	43	34	0·03
	Loughborough ...	29.42	43	WNW	6	c	29.68	+ ·60	45	44	+ 4	WSW	3	c	*	og, bg, o	*	45	33	—
	Ardrossan ...	29.35	45	WNW	4	c	29.48	+ ·39	42	42	+ 1	NE	2	om	2	r, c	*	45	36	0·05
	Malin Head ...	29.43	42	W	3	b	29.34	+ ·12	45	45	+ 1	S	4	o	2	c, b	*	45	37	0·01
	Belmullet ...	29.47	44	ENE	4	0	29.30	− ·13	48	47	+ 7	WSW	3	o	*	bc, o	*	48	37	0·03
	Donaghadee ...	29.46	40	NW	5	b	29.50	+ ·34	42	42	− 1	SW	4	c	2	b	*	44	32	—
	Liverpool (Bidston)	29.44	43	W	6	0	29.63	+ ·52	41	39	− 2	S	2	o	2	rm, o	*	44	37	0·12
	Holyhead ...	29.51	43	NW	7	b	29.56	+ ·38	47	46	+ 3	S	4	o	3	bc, b	*	48	40	—
	Parsonstown ...	29.55	39	S	1	0	29.44	+ ·03	45	43	+ 9	SE	1	bc	*	o	5·5	46	35	—
	Valencia ...	29.54	48	S	3	c	29.36	− ·16	49	47	+ 4	S	5	om	6	cp, c	3·9	50	42	0·03
	Roche's Point ..	29.61	45	WNW	2	b	29.49	− ·01	49	48	+ 9	SSW	5	c	5	b	*	49	40	—
	Pembroke (St. Ann's Hd.)	29.62	44	NW	5	b	29.59	+ ·25	49	47	+ 6	WSW	5	og	5	b	5·6	49	43	—
	Scilly	29.69	48	WNW	3	b	29.56	+ ·12	50	48	+ 3	?S	6	c	5	bcp, b	5·6	50	43	—
	Prawle Point ...	29.69	40	WNW	5	bc	29.70	+ ·39	48	45	+ 6	SW	5	cpr	4	bc, p	*	48	38	0·02
	Jersey (St. Aubin's)	29.68	45	NW	5	bcq	29.81	+ ·49	46	45	− 2	S	4	om	3	bc, qph	*	50	42	0·03
	Hurst Castle ...	29.58	42	WNW	4	b	29.75	+ ·56	47	45	+ 5	SSW	3	opd	2	cp, b	*	47	39	0·04
	Dungeness ...	29.44	43	WNW	4	c	29.77	+ ·72	42	40	0	WSW	3	c	2	c	*	46	36	—
	North Foreland	29.42	44	W	5	0	29.77	+ ·72	38	37	− 4	W	3	bc	2	0	*	46	35	0·03
	London (Brixton) ...	29.50	43	WNW	3	c	29.76	+ ·65	34	33	− 9	S	2	c	*	og, p, bv	0·0	45	31	—
	Oxford	29.59	37	WNW	3	b	29.75	+ ·60	39	38	− 2	SSW	1	cm	*	c, b	*	46	33	—
	Cambridge ...	29.43	44	W	6	0	29.74	+ ·64	34	33	− 6	SSW	1	c	*	0	0·0	44	31	—
	Yarmouth ...	29.30	43	WNW	2	c	29.68	+ ·66	36	35	− 5	WSW	2	bm	3	cf, c	*	44	35	0·01
GERMANY & HOLLAND.	Cuxhaven ...	29.21	32	N	0	f	29.41	+ ·33	39	39	+ 9	W	4	f	*	f	*	39	30	0·12
	Berlin	29.34	36	S	4	0	29.62	+ ·46	40	39	+ 8	SSW	2	r	*	0	*	40	32	0·32
	Wiesbaden ...	*	*	*	*	*	29.82	+ ·66	40	39	+ 6	SW	4	c	*	*	*	41	34	0·04
	Munich... ..	29.65	40	SW	5	bc	29.93	+ ·65	36	34	+ 2	W	5	b	*	bc	*	45	34	—
	The Helder ...	29.30	42	WSW	1	bc	29.65	+ ·60	43	41	+ 6	W	4	o	3	o	*	43	36	—
BELGIUM.	Brussels ...	*	*	*	*	*	29.86	+ ·82	34	32	− 9	SW	3	b	*	r	*	43	31	0·12
	Cape Gris Nez...	29.44	44	NW	6	0	29.75	+ ·72	44	42	+ 1	SW	1	c	2	0	*	48	41	0·04
	Paris	29.64	44	W	3	c	29.93	+ ·84	35	34	− 11	SSW	3	o	*	c	*	47	33	—
	Brest	29.82	46	NW	4	c	29.74	+ ·30	50	46	+ 5	S	4	bc	6	c	*	50	39	—
	Lorient... ...	29.73	46	NW	5	s	29.75	+ ·28	46	45	− 1	WSW	4	o	2	?	*	48	43	—
FRANCE &	Rochefort ...	29.82	47	NW	6	c	29.90	+ ·40	45	45	− 5	SSE	5	c	*	c	*	52	43	0·20
	Belfort	29.63	41	SSW	7	r	29.98	+ ·78	36	35	− 5	WSW	4	m	*	r	*	46	36	0·46
	Lyons	29.82	43	W	1	b	30.07	+ ·65	37	34	− 8	W	1	b	*	b	*	52	36	—
	Nice	29.68	49	NW	4	b	29.87	+ ·38	42	34	− 4	E	2	b	2	b	*	54	39	—
	Perpignan ...	29.94	49	NW	4	bc	30.10	+ ·47	43	42	− 7	W	2	b	*	bc	*	57	41	—
	Biarritz ...	29.96	49	W	7	r	29.96	+ ·20	42	39	− 8	SE	3	b	6	r	*	52	41	0·12
PENINSULA.	Corunna ...																*			
	Lisbon	30·15	50	SE	2	c	30·04	− ·07	55	51	+ 6	SSW	4	r	*	c	*	55	48	0·04
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

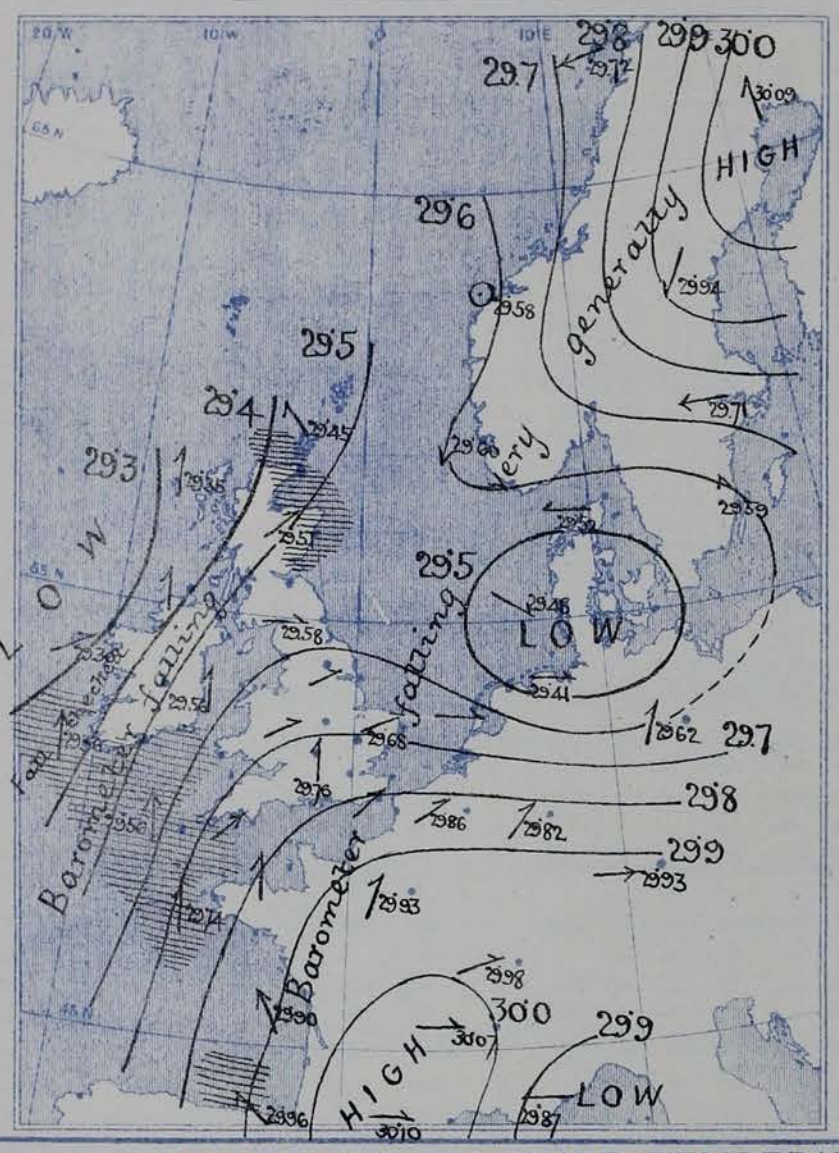
Bright Sunshine yesterday Southport 0·0 *hrs;* Brighton 1·5 *hrs;* Hastings 1·1 *hrs;* Eastbourne 0·8 hr.

WEATHER CHARTS

FOR Tuesday, 8th December, 1896.

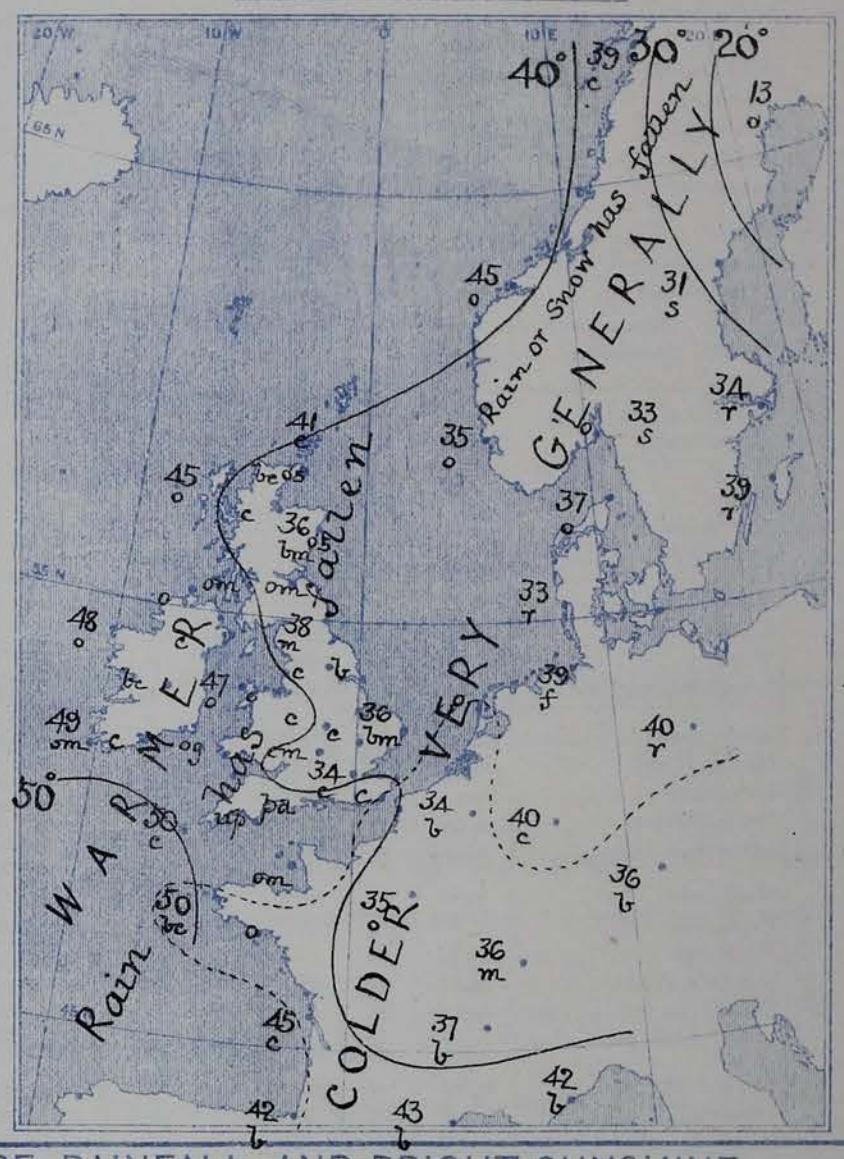
BAROMETER, WIND AND SEA.

BAROMETER Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 959	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards in an anticyclone lying over the Spanish Peninsula and the south of France, and also in another system over the Gulf of Bothnia.
Lowest 29.3 ins. and less in a depression lying off our extreme northwest coasts, 29.5 ins. and less in another system over Denmark.
Gradients moderate or slight. Barometer falling at most of the western stations in our Islands and France, but rising elsewhere.

TEMPERATURE

Highest 55° at Lisbon, 50° at Scilly and Brest, 49° at Valencia (Ireland), Roche's Point and Pembroke, and 48° at Belmullet and Prawle Point.
Lowest (1) 13° at Haparanda, 31° at Hernösand, and 33° at Karlstad and Fanö; (2) 31° at Nairn; (3) 34° in London and at Cambridge.
Frost occurred last night in many parts of Gt. Britain; on the surface of the ground the thermometer fell to 22° in London, 26° at Oxford, and 27° at Loughborough.

WIND

S. or SW. over the greater part of our Islands and France, and fresh or strong in force on our SW. coasts.
Moderate from the SW. or W. over Germany and the Netherlands.
E. or NE. at most of the Scandinavian stations, and strong in force in the south.

WEATHER

Fine on the east coasts of Gt. Britain, and also in the south of France.
Cloudy or dull in all other parts of our area, with passing showers at some of the Channel stations; steady rain in the south of Sweden, and at Fanö and Berlin, and snow at Hernösand & Karlstad.
Slight rain fell yesterday in many parts of England and Ireland, and larger quantities at the Scotch and several of the Continental stations.

SEA

Rough or rather so on our W. and extreme N. coasts, and also in the Bay of Biscay, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northwest coasts appears to be moving northwards, but other disturbances are likely to advance shortly, and freshening S. winds are therefore probable in most districts, with cloudy unsettled weather.

FORECASTS

For the 24 hours ending at NOON on 9TH DECEMBER 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH; 1 SCOTLAND EAST	S. winds, freshening; fair at first, some rain later.
2 ENGLAND N.E.; 3 ENGLAND EAST; 4 MIDLAND COUNTIES	Same as No. 5.
5 ENGLAND SOUTH	S. winds, freshening, cloudy, unsettled, some rain.
6 SCOTLAND WEST; 7 ENGLAND N.W.	Same as No. 5.
8 ENGLAND S.W.; 9 IRELAND NORTH; 10 IRELAND SOUTH	S. winds, strong; dull, rain at times.
WARNINGS	At 10.10 am to districts 9 and 10. Lower Cone for present.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.38	42	39	E	2	o	3
Sumburgh Head	29.35	42	41	ESE	4	r	7
Stornoway	29.35	44	44	N	3	r	3
Aberdeen	29.17	40	39	NW	5	orgq	7
Shields	29.14	43	43	WNW	3	r	3
Ardrossan	29.25	44	44	WNW	4	r	2
Malin Head ...	29.37	44	42	NW	6	c	5
Belmullet	29.48	46	43	W	1	bc	*
Holyhead	29.39	44	41	NW	8	bc	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.57	46	43	SW	3	cp	4
Scilly	29.62	47	43	WNW	6	bcp	5
Jersey	29.56	50	45	WNW	5	bc	5
Hurst Castle ...	29.43	45	42	WNW	6	cp	4
Dungeness ...	29.30	46	44	WNW	4	c	3
North Foreland	29.30	43	42	W	3	o	3
London (Westminster)	29.31	47	44	NW	2	og	*
Yarmouth ...	29.20	44	43	W	2	cf	4
Rochefort ...	29.73	50	49	NW	6	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull and unsettled over nearly the whole of Europe, with rain in many parts of Gt. Britain, as well as in the N. of France and in Poland; snow reported at Uleaborg, and also at Prague. Considerable improvement taking place later in the W. and S. of our Islands, but steady rain falling in the NE; rain occurring also in most parts of Nrn. and central Europe, and snow in the S. of Scandinavia.

Temperature fallen in most of the Wrn. and Nrn. countries, but risen elsewhere, rapidly over Austria and Ern. Germany. Morning readings highest 59° at Lesina and Spare, 58° at La Calle, and 56° at Algiers; Spanish and Italian reports all wanting. Lowest −10° F. at Moscow, −1° at St. Petersburg, +7° at Kharkov, and 14° at Haparanda, below the freezing point over Sweden and Russia generally. Daily maxima below 45° at most of our own Nrn. and Ern. stations, but thermometer touching 50° on some parts of our SW. coasts. Frost occurring over Gt. Britain at night.

Wind strong to a gale from NWnd. on the west coasts of our Islands and France; light to fresh from the Wnd. and eastern in the east of England and from the SWnd. over central France. E. or SE. over all the more northern parts of the Continent, with a gale in the S. of Sweden. Calm or SWly. in Austria; varying between S. and W. in Algeria. Gale moderating later on our Wrn. coasts, and wind backing to the Snd. in the W. of Ireland.

Barometer 30.4 ins. and upwards in an anticyclone over the central and Srn. parts of Russia; 30.1 ins. and upwards in another system lying off the SW. of Spain. Lowest 29.0 ins. and less in a small area off the Northumberland coast; 29.1 ins. and less in a complex depression covering all the more Nrn. and Ern. parts of our Islands, with the Netherlands and the NE. of France. Depression moving Eastd. later and partially filling up; new disturbance beginning to approach our Wrn. coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 9th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°					•		°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·09	14	SW	0	0	30·11	+·02	16	15	+ 3	E	2	0	#	0	#	25	-4	0·04
	Hernösand ...	29·99	32	NE	4	0	30·02	+·08	28	27	− 3	NE	4	0	#	0	#	34	27	0·04
	Stockholm ...	29·79	36	E	4	r	29·80	+·09	39	38	+ 5	ESE	2	f	#	r	#	34	32	0·35
	Wisby	29·61	37	SE	4	r	29·77	+·18	37	36	− 2	S	4	0	#	r	#	39	34	0·16
	Karlstad ...	29·76	35	ESE	2	0	29·83	+·07	35	33	+ 2	ENE	2	0	#	s, 0	#	#	#	0·04
	Bodö	29·87	32	ENE	4	b	29·93	+·21	27	23	− 12	ENE	4	bc	1	bc	#	39	25	-
	Christiansund ...	29·71	41	E	1	0	29·87	+·29	41	38	− 4	SW	1	0	3	0	#	45	39	-
	Skudesnaes ...	29·73	40	SW	0	0	29·84	+·24	38	38	+ 3	SW	0	c	1	0	#	41	35	#
	Færder (Christiania Fjord)	29·75	35	NNE	4	0	29·84	+·21	35	33	+ 1	NE	4	0	2	0	#	36	34	-
	Skagen (The Scaw)	29·88	37	ENE	3	0	29·80	+·28	37	36	0	NE	3	0	0	0	#	37	36	0·12
	Fanö	29·67	35	SW	0	0	29·81	+·33	36	36	+ 3	NE	1	0	#	0	#	36	?	0·32
BRITISH ISLANDS.	Sumburgh Head	29·53	43	S	1	bc	29·66	+·21	46	46	+ 5	SSE	1	0	4	0, bc	#	46	40	0·01
	Stornoway ...	29·40	48	SSW	5	r	29·56	+·21	45	45	0	WSW	3	r	3	0, r	0·0	48	42	0·08
	Wick	29·46	43	S	1	0	29·62	+·20	45	44	+ 6	S	3	0	3	0	#	45	37	-
	Nairn	29·47	43	SW	0	bc	29·59	+·24	36	35	+ 5	SW	0	c	1	bc	#	43	29	-
	Aberdeen ...	29·59	39	SW	2	bcmw	29·66	+·15	44	43	+ 8	SSE	2	0g	3	cg, bcm	0·7	44	36	-
	Leith	29·57	43	SW	0	0	29·57	+·04	44	44	+ 8	E	3	c	#	0	#	48	35	-
	Shields	29·63	41	SW	1	m	29·56	−·02	44	43	+ 6	ESE	4	0	3	cm, m	#	44	36	-
	Spurn Head ...	29·69	41	SSW	3	bw	29·54	−·11	43	43	+ 4	SE	5	0	4	b, bw, p	#	45	38	-
	York	29·71	42	S	1	b	29·52	−·13	43	42	+ 6	E	2	0	#	0, b	0·5	43	36	0·05
	Loughborough ...	29·68	41	SE	1	b	29·46	−·22	45	44	0	SSE	4	ogap	#	bc, c, og	#	48	39	-
	Ardrossan ...	29·53	48	SSE	3	op	29·53	+·05	42	42	0	NNE	3	rf	1	o, op	#	48	40	0·02
	Malin Head ...	29·40	46	S	4	op	29·55	+·21	44	44	− 1	E	1	om	1	c, op	#	47	43	0·05
	Belmullet ...	29·45	44	WSW	2	o	29·63	+·33	38	38	− 10	WSW	1	c	#	o	#	48	36	0·14
	Donaghadee ...	29·51	47	SW	4	c	29·49	−·01	44	44	+ 2	NE	5	r	4	c	#	49	42	0·16
	Liverpool (Bidston)	29·60	42	ESE	2	o	29·33	−·30	46	44	+ 5	E	5	o	?	om, r	#	46	40	0·04
	Holyhead ...	29·51	45	SSW	1	gmr	29·29	−·27	45	44	− 2	NE	4	om	3	cmp, gm	#	48	43	0·23
	Parsonstown ...	29·42	45	SSW	1	r	29·55	+·11	42	42	− 3	NW	1	o	#	o, or	0·1	50	41	0·47
	Valencia ...	29·39	45	NNW	4	qr	29·70	+·34	46	42	− 3	WNW	4	bc	5	r, rq	0·0	50	42	0·30
	Roche's Point ..	29·32	52	SE	5	r	29·62	+·13	44	42	− 5	WNW	5	bc	5	r, q	#	52	42	0·55
	Pembroke (St. Ann's Hd.)	29·36	46	SSE	6	0	29·36	−·23	46	45	− 3	NW	8	r	6	o	0·0	49	43	0·39
	Scilly	28·95	46	SE	10	mr	29·65	+·09	49	45	− 1	WNW	7	c	7	omp, r	0·0	52	44	0·30
	Prawle Point ...	29·47	43	SE	7	0	29·58	−·12	46	44	− 2	W	7	ogp	6	ogp	#	49	41	0·11
	Jersey (St. Aubin's)	29·65	47	SSE	6	ogr	29·69	−·12	50	47	+ 4	W	5	cmp	4	og, r	#	50	45	0·02
	Hurst Castle ...	29·65	47	SSE	3	p	29·55	−·20	48	45	+ 1	SW	5	ou	3	o, p	#	49	45	0·08
	Dungeness ...	29·76	46	SSW	4	b	29·60	−·17	46	46	+ 4	S	5	r	4	o, b	#	47	42	0·05
	North Foreland	29·78	45	SW	2	0	29·64	−·13	44	43	+ 6	S	5	o	4	o	#	48	38	0·02
	London (Brixton) ...	29·72	45	SSE	2	c	29·56	−·20	47	47	+ 13	S	3	o	#	c, oq, a	0·0	47	34	0·01
	Oxford	29·65	45	SSE	2	o	29·48	−·27	47	45	+ 8	S	5	o	#	bc, p	#	48	38	0·0[illegible]
	Cambridge ...	29·74	43	S	2	c	29·54	−·20	45	44	+ 11	SSE	3	ogm	#	o, c	0·1	46	32	
	Yarmouth ...	29·73	42	SSW	2	c	29·64	−·04	42	41	+ 6	SSE	5	cgm	4	b, c	#	42	35	0·01
GERMANY & HOLLAND.	Cuxhaven ...	29·70	38	W	3	0	29·84	+·43	37	?	− 2	SW	3	0	#	o, r	#	41	36	0·04
	Berlin	29·87	40	SW	3	0	29·95	+·33	37	35	− 3	SW	3	0	#	0	#	41	36	0·04
	Wiesbaden ...	#	#	#	#	#	29·99	+·17	31	31	− 9	S	0	c	#	#	#	43	30	-
	Munich... ..	30·07	32	SW	2	b	30·06	+·13	24	24	− 12	SE	3	b	#	b	#	41	24	-
	The Helder ...																#			
BELGIUM.	Brussels ...	#	#	#	#	#	29·82	−·04	39	35	+ 5	SSE	5	0	#	0	#	43	34	-
	Cape Gris Nez...	29·74	43	SSW	4	0	29·63	−·12	41	41	− 3	S	5	c	5	0	#	45	39	0·20
	Paris	29·92	41	SE	2	0	29·81	−·12	39	38	+ 4	SSE	3	r	#	0	#	44	35	0·08
	Brest																#			
	Lorient... ...	29·65	46	SSW	6	c	29·81	+·06	49	47	+ 3	WNW	6	bc	5	c	#	49	45	-
FRANCE &	Rochefort ...	29·76	48	SW	5	r	29·85	−·05	48	48	+ 3	WNW	5	0	#	c, r	#	50	45	0·28
	Belfort	30·05	34	W	0	b	30·02	+·04	31	30	− 5	E	1	c	#	b	#	42	30	-
	Lyons ...	30·08	38	S	1	bc	?29·97	−·10	45	41	+ 8	?SSW	4	0	#	bc	#	47	34	-
	Nice	30·01	45	E	2	b	30·14	+·27	41	34	− 1	E	1	c	3	b	#	55	39	-
	Perpignan ...	30·00	45	E	2	b	29·99	−·11	41	40	− 2	W	2	0	#	b	#	54	?	-
	Biarritz ...	29·87	52	S	5	bc	29·98	+·02	47	47	+ 5	S	5	r	4	bc	#	55	42	0·08
PENIN-SULA.	Corunna ...																#			
	Lisbon	30·04	52	NW	4	bc	30·32	+·28	51	48	− 4	WSW	3	bc	#	bc	#	59	50	0·67
	Azores (P. Delgada)	30·23	60	SW	4	c	30·09	−·01	63	57	+ 9	SSW	7	c	6	c	#	63	54	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

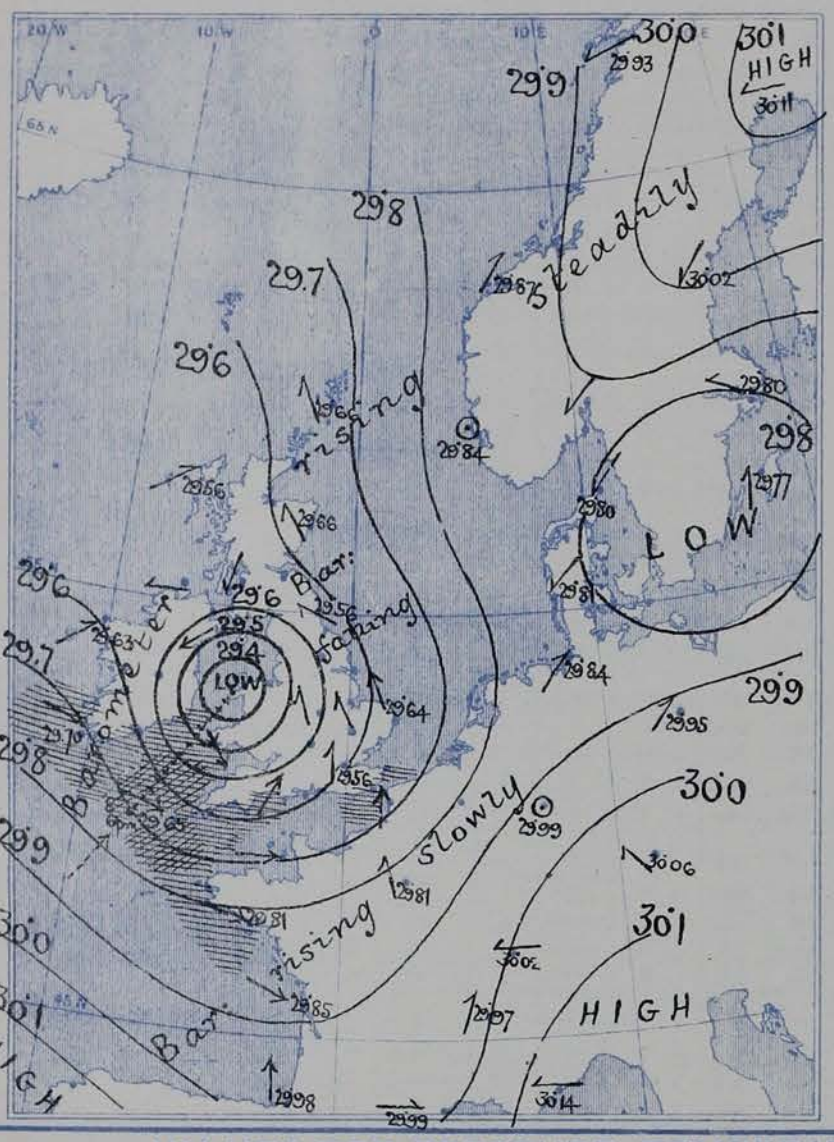
Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* 0·8 *hrs; Hastings* 0·0 *hrs;* Eastbourne 0·0

WEATHER CHARTS

FOR *Wednesday, 9th December, 1896.*

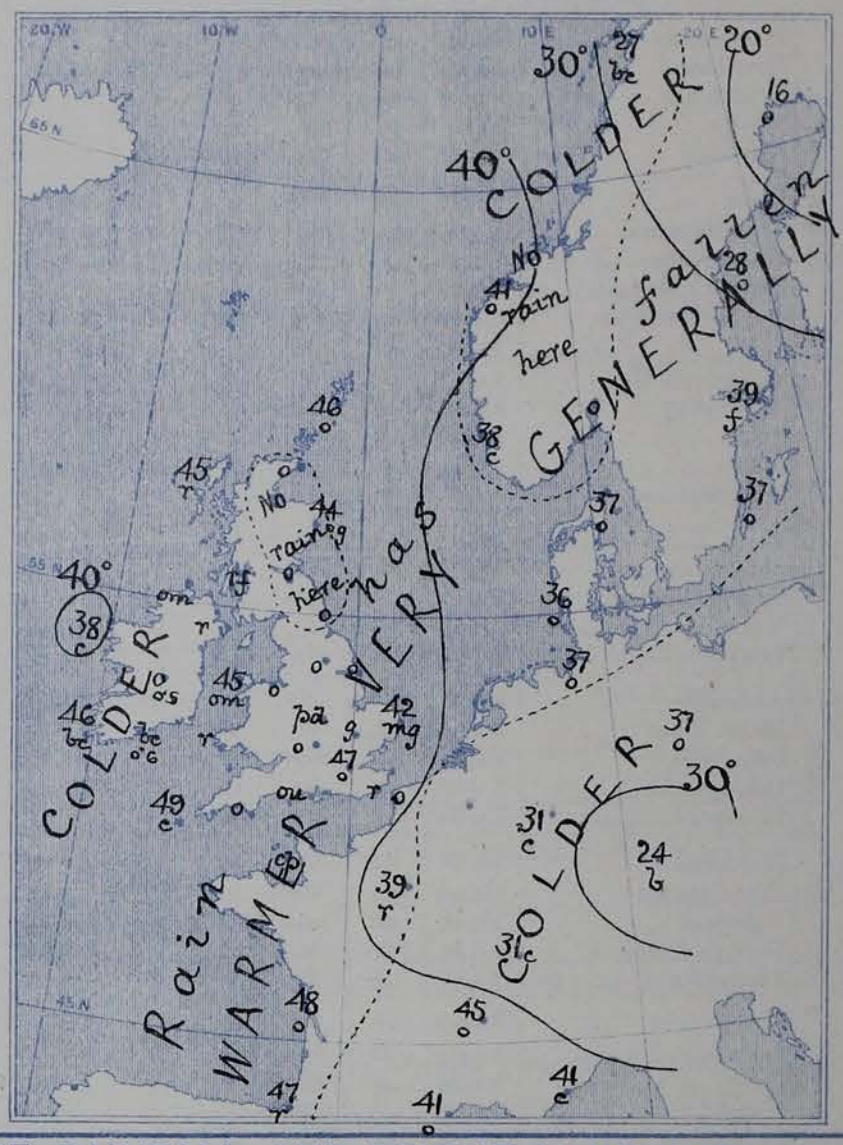
BAROMETER, WIND AND SEA.

BAROMETER Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in. and upwards, in an anticyclone lying over the southwest of Spain; 30·1 in. and upwards in another system over Lapland.
Lowest, 29·3 in. and less, in a depression lying over North Wales.
Gradients rather steep in the immediate neighbourhood of the depression, but moderate or slight elsewhere.
Barometer rising generally, but falling in the north of England.

TEMPERATURE

Highest, 51° at Lisbon, 50° at Jersey, 49° at Scilly and Lorient, and 48° at Hunt Castle and Rochefort.
Lowest, (1) 16° at Haparanda, 17° at Bodö and 28° at Hernösand; (2) 24° at Munich, and 31° at Wiesbaden and Belfort.
During yesterday the thermometer rose to 45° and upwards over the United Kingdom generally, and to between 50° and 52° on our southwest coasts.

WIND

Strong to a gale from the W. or NW. in the southwestern parts of our Islands; fresh from the same quarter in the west of France.
Moderate to fresh from the S. over Central France and the southeastern parts of England, and from the SE. on the northeast coast of Great Britain.
E. or NE. over Scandinavia and Denmark, but SW. in North Germany.
A whole gale from the SE. was experienced last night at the mouth of the Channel.

WEATHER

Cloudy or dull over Western Europe as a whole, with rain in several parts of Great Britain and France, but fine in the south of Ireland.
Since yesterday morning rain has fallen over England and Ireland generally, as well as at many of the Continental stations, the largest amounts reported being 0·7 in. at Lisbon and 0·6 in. at Roche's Point.

SEA

High at Scilly, rough on our southwest coasts, and rather rough at Cape Gris Nez and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression which advanced last evening to the mouth of the Channel has moved northwards, but has become much shallower. These changes seem likely to continue, but no material improvement in the weather is anticipated at present, even in the south.

FORECASTS

For the 24 hours ending at NOON on 10th DEC: 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SE. winds, freshening; dull, some rain.
2 ENGLAND N.E.	SE. to S. winds, fresh; cloudy, showery.
↑ 3 ENGLAND EAST 4 MIDLAND COUNTIES ↑ 5 ENGLAND SOUTH	S. to SW. winds, strong in places; unsettled, some showers.
6 SCOTLAND WEST	Light Variable breezes; dull, some rain.
↑ 7 ENGLAND N.W.	NE. to NW. winds, increasing in force; squally, showery.
↑ 8 ENGLAND S.W.	Strong W. winds, moderating and backing later; fair at first, then some rain.
9 IRELAND NORTH	Same as No 7.
10 IRELAND SOUTH	Same as No 8.
WARNINGS	At 0·30 pm yesterday to districts 5 and 8, and at 3·30 pm to districts 1, 2, 3, and 7 "Hoist South Cone." The signals have been lowered this morning in dists 1 and 2.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.68	41	39	2	0	0	1
Sumburgh Head	29.49	43	42	S	2	0	4
Stornoway	29.37	48	47	SSW	5	0	5
Aberdeen	29.55	42	40	S	2	c g	4
Shields	29.60	42	41	SSW	3	cm	2
Ardrossan	29.51	48	48	SSE	3	0	2
Malin Head ...	29.36	47	46	S	4	c	2
Belmullet	29.38	45	44	WSW	1	0	*
Holyhead	29.54	47	45	S	3	cmp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.36	47	45	SSE	2	r	4
Scilly	29.34	49	48	SSE	8	opm	6
Jersey	29.70	48	46	SSE	6	o	5
Hurst Castle ...	29.72	48	46	S	4	ou	3
Dungeness ...	29.76	47	46	SW	4	o	3
North Foreland	29.80	46	45	SW	2	c	2
London (Westminster)	29.75	48	46	SSE	2	odp	*
Yarmouth ...	29.72	42	40	WSW	2	b	3
Rochefort ...	29.86	47	46	S	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the western, northern and central parts of Europe generally, but fine on the east coasts of Great Britain; showers reported at some of the English Channel stations, steady rain over Denmark, North Germany, and the south of Sweden, and snow at Hernösand and Karlstad. Fine in many parts of southern Europe, but rainy in the south of Italy, as well as at Lisbon and Hermanstadt. Rain falling later over nearly the whole of England and Ireland, and also at some of the French stations.

Temperature fallen in the more northern and eastern parts of Great Britain, as well as in France and Italy, but risen elsewhere. Morning readings highest 58° at Malta, 55° at Lisbon and Cagliari, and 53° at Brindisi; above 50° at most of the Mediterranean and Spanish coast stations. Lowest −10° Fahr at Moscow, +13° at Haparanda and St Petersburg, 20° at Archangel and 23° at Kharkov, below the freezing point over Russia and the north of Sweden generally, as well as in the central parts of Scotland. Rising during day to 45° and upwards in most parts of our Islands and to 50° and upwards on our southernmost coasts, touching 55° at Nice and Biarritz and 59° at Lisbon.

Wind S or SW over the greater part of the United Kingdom and France, and fresh or strong in force on our southernmost coasts. Light to moderate from the W or SW over the central countries generally; E or NE over Scandinavia and northern Russia, and strong in force in places. SE in the south of Russia, variable in Italy. Subsequently backing to the SE over England and the East of Ireland, increasing to a whole gale at Scilly and to a moderate or fresh gale over the western parts of the Channel generally.

Barometer highest 30·3 in. and upwards in a large anticyclone over northern and central Russia; 30·2 in. and upwards in another system over Algeria and the southern and central parts of Spain. Lowest 29·3 in. and less, in a depression off our extreme northwest coasts; 29·5 in. and less, in a shallow system over Denmark. Depression in west subsequently moving northwards, but new and much deeper disturbance advancing to the mouth of the English Channel, where the barometer fell rapidly.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 10th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·14	22	SE	2	S	30·23	+·12	21	21	+ 5	⊂	0	0	*	S	*	25	14	0·04
	Hernösand ...	30·12	30	NE	4	0	30·16	+·14	28	27	0	NW	4	S	*	0	*	34	27	-
	Stockholm ...	29·90	37	⊂	0	r	30·02	+·22	35	35	− 4	NE	2	f	*	r	*	39	34	0·12
	Wisby	29·86	36	S	4	r	29·93	+·16	34	33	− 3	SE	4	0	*	r	*	39	32	0·20
	Karlstad ...	29·96	34	NE	2	S	30·05	+·22	34	33	− 1	N	2	0	*	S	*	*	*	0·04
	Bodö	30·04	27	ENE	4	b	30·11	+·18	27	22	0	ENE	4	b	1	b	*	27	21	-
	Christiansund ...	30·00	41	⊂	0	0	30·05	+·18	41	?	0	⊂	0	r	3	0	*	43	39	-
	Skudesnaes ...	29·96	39	⊂	0	0	29·99	+·15	38	38	0	NNE	1	0	2	0	*	41	36	*
	Færder (Christiania Fjord)	29·98	36	NE	3	0	30·04	+·20	35	34	0	NNE	2	c	1	0	*	36	?	-
	Skagen (The Scaw)	29·97	37	NE	1	0	30·00	+·20	37	36	0	E	1	0	0	0	*	37	37	-
	Fanö	29·91	33	E	3	0	29·91	+·10	33	33	− 3	E	2	S	*	0	*	37	32	-
BRITISH ISLANDS.	Sumburgh Head	29·80	44	SSE	2	0	29·86	+·20	43	41	− 3	SE	3	0	5	0	*	46	41	-
	Stornoway ...	29·67	39	⊂	0	bc	29·60	+·04	47	46	+ 2	SE	5	0	5	c, bc	0·0	47	33	0·03
	Wick	29·73	45	S	4	0	29·73	+·11	45	44	0	S	6	0	5	0	*	47	42	-
	Nairn	29·69	41	E	2	bc	29·69	+·10	44	43	+ 8	SE	1	0	1	bc	*	44	33	0·01
	Aberdeen ...	29·75	45	ESE	4	opq	29·80	+·14	45	42	+ 1	SE	4	ogq	4	ogp.	0·0	46	43	0·01
	Leith	29·68	43	NE	2	r	29·74	+·17	44	44	0	⊂	0	om	*	r	*	46	41	0·12
	Shields	29·63	46	ESE	1	d	29·76	+·20	45	45	+ 1	⊂	0	om	3	d	*	46	43	0·09
	Spurn Head ...	29·55	45	SE	4	og	29·81	+·27	43	43	0	SW	2	ogmpd	3	og	*	45	42	0·01
	York	29·52	46	E	1	o	29·82	+·30	44	43	+ 1	SW	1	o	*	o	0·0	46	41	0·06
	Loughborough ...	29·46	44	W	2	r	29·85	+·39	38	37	− 7	SE	1	cm	*	c, or. c	*	47	38	0·33
	Ardrossan ...	29·67	45	NNE	2	ofp	29·68	+·15	45	45	+ 3	E	3	om	2	r. fp	*	45	40	0·03
	Malin Head ...	29·66	44	SW	1	bcm	29·42	−·13	44	44	0	SE	5	oru	3	om. bcm	*	45	37	-
	Belmullet ...	29·69	40	SSE	2	b	29·39	−·24	47	47	+ 9	WSW	1	0	*	bc. b	*	50	36	0·35
	Donaghadee ...	29·68	46	NE	4	0	29·65	+·16	48	47	+ 4	SSE	7	0	5	0	*	48	38	0·14
	Liverpool (Bidston)	29·62	44	NNW	3	0	29·79	+·46	41	38	− 5	SSE	3	c	3	p	*	47	39	0·04
	Holyhead ...	29·67	46	NW	4	ogm	29·68	+·39	47	45	+ 2	S	4	ogm	3	fd. fr	*	47	42	0·14
	Parsonstown ...	29·76	37	S	1	b	29·44	−·11	50	49	+ 8	SE	2	or	*	b, bm, r	2·1	56	33	0·16
	Valencia ...	29·72	46	W	3	bc	29·46	−·24	50	49	+ 4	SSW	2	og	5	bc, r	5·6	52	43	0·81
	Roche's Point ..	29·79	42	WNW	2	b	29·49	−·13	50	50	+ 4	SW	5	f	5	b, r	*	50	41	0·25
	Pembroke (St. Ann's Hd.)	29·78	46	NW	6	b	29·64	+·28	50	49	+ 4	SW	6	og	5	o, b	0·0	50	42	0·09
	Scilly	29·87	48	WSW	4	bc	29·62	−·03	52	52	+ 3	S	7	rm	5	bc	4·2	52	45	0·04
	Prawle Point ...	29·88	46	WNW	6	bc	29·83	+·25	49	48	+ 3	SSW	6	omru	5	c	*	49	44	0·01
	Jersey (St. Aubin's)	29·93	48	WNW	5	bcm	29·93	+·24	48	47	− 2	SSE	4	om	4	bo, bcm	*	53	46	-
	Hurst Castle ...	29·78	47	WSW	6	o	29·90	+·35	50	47	+ 2	SSW	4	om	3	uu, o	*	50	43	-
	Dungeness ...	29·70	48	WSW	6	c	29·92	+·32	46	46	0	WSW	3	c	3	c	*	49	43	0·08
	North Foreland	29·72	47	SW	3	0	29·94	+·30	42	41	− 2	SW	3	c	2	c, o	*	50	40	0·03
	London (Brixton) ...	29·65	47	SW	2	0	29·92	+·36	43	41	− 4	S	2	c	*	o, odq	0·0	48	38	0·05
	Oxford	29·71	45	SW	5	r	29·90	+·42	40	38	− 7	SSE	1	bcm	*	gqr	*	48	38	0·08
	Cambridge ...	29·59	45	S	5	rq	29·90	+·36	39	38	− 6	SW	2	b	*	rq	0·0	49	38	0·19
	Yarmouth ...	29·62	45	S	3	od	29·82	+·18	44	43	+ 2	WSW	3	of	3	cqm. od	*	45	40	0·07
GERMANY & HOLLAND.	Cuxhaven ...	29·89	36	⊂	0	0	29·87	+·03	37	37	0	S	2	r	*	0	*	41	36	0·04
	Berlin	30·00	35	SW	2	b	30·03	+·08	36	34	− 1	SSW	2	r	*	b	*	43	34	-
	Wiesbaden ...	*	*	*	*	*	30·10	+·11	36	36	+ 5	SW	1	0	*	*	*	37	31	0·08
	Munich... ..	30·10	31	⊂	0	b	30·18	+·12	35	33	+ 11	SW	3	c	*	b	*	37	24	-
	The Helder ...	29·78	40	S	2	0	29·73		43	42		SSW	1	m	2	0	*	43	37	0·16
BELGIUM.	Brussels ...	*	*	*	*	*	30·00	+·18	40	39	+ 1	SW	5	c	*	b	*	44	38	0·04
	Cape Gris Nez...	29·75	48	W	5	0	29·90	+·27	46	44	+ 5	W	4	0	4	0	*	50	37	0·08
	Paris	29·99	43	SSW	3	b	30·12	+·31	34	34	− 5	S	2	b	*	b	*	48	33	0·04
	Brest	29·98	50	W	3	c	29·87		50	49		SSW	4	r	?	c	*	?	?	-
	Lorient... ...	29·95	48	WNW	5	S	29·93	+·12	47	44	− 2	WSW	6	?	4	?	*	?	43	0·39
FRANCE &	Rochefort ...	30·07	48	NW	5	c	30·08	+·23	46	46	− 2	S	4	c	*	bc. c	*	52	43	-
	Belfort	30·06	37	SW	1	r	30·20	+·18	37	37	+ 6	⊂	0	f	*	r	*	39	31	0·16
	Lyons	30·12	38	N	1	f	30·28	+·31	32	32	− 13	E	1	f	*	f	*	48	30	0·47
	Nice	30·10	43	E	2	r	30·03	−·11	44	40	+ 3	E	1	c	3	r	*	48	44	0·32
	Perpignan ...	30·11	49	W	2	0	30·23	+·24	43	40	+ 2	⊂	0	b	*	0	*	48	41	0·04
	Biarritz ...	30·18	57	W	6	r	30·14	+·16	?48	46	+ 1	SE	3	b	4	rh	*	54	43	0·51
PENINSULA.	Corunna ...																*			
	Lisbon	30·36	53	SSW	2	b	30·23	−·09	55	53	+ 4	S	4	0	*	b	*	57	50	-
	Azores (P. Delgada)	30·12	56	NNW	3	b	30·31	+·22	54	49	− 9	NW	4	b	3	b	*	64	52	0·16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

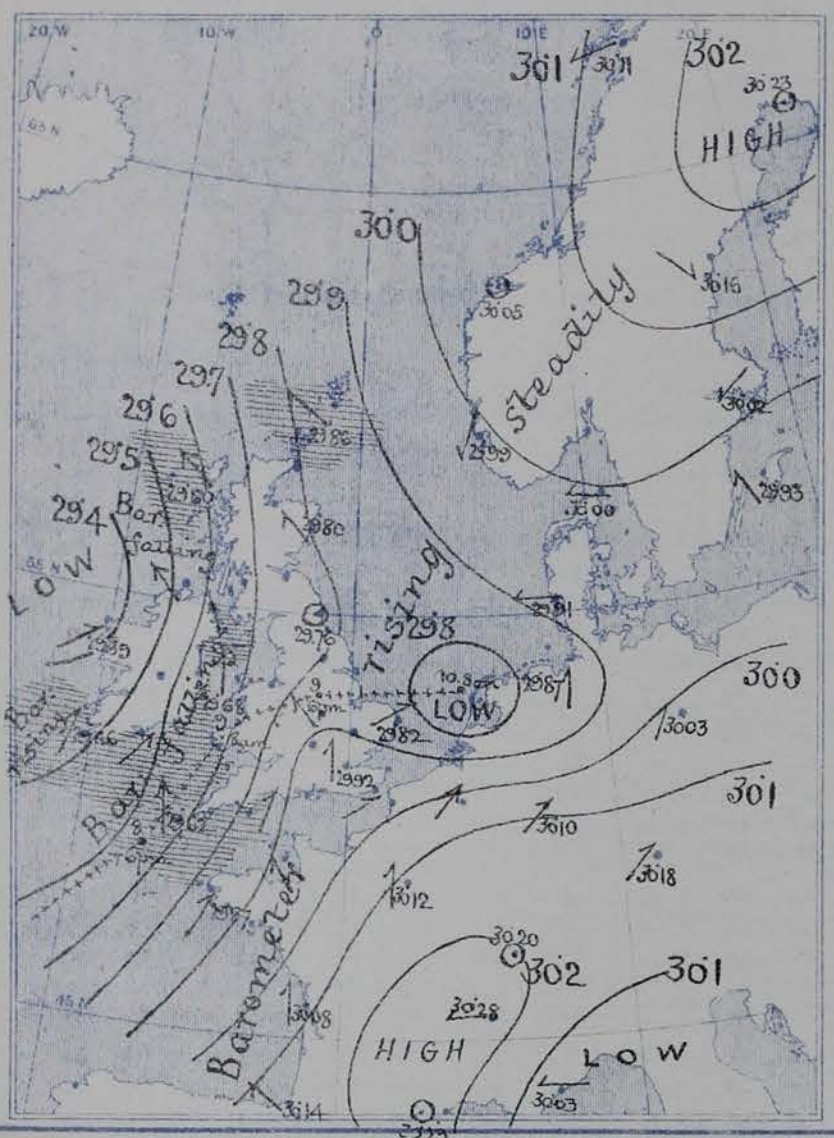
Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* 0·3 *hrs; Hastings* 0·5 *hrs;* Eastbourne 0·1 hr.

WEATHER CHARTS

FOR *Thursday, 10th December, 1896.*

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF DECEMBER.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 9	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in two areas, — one lying over the southern parts of France, and the other over the Gulf of Bothnia and the neighbouring parts of Sweden and Finland.
Lowest, 29·4 in: and less, in a depression lying off the northwest of Ireland; 29·8 in: and less in a shallow system off the north of Holland.
Gradients rather steep on our western coasts, but moderate or slight elsewhere.
Barometer falling on most parts of our western coasts, but rising again at Valencia (Ireland), rising at our eastern and the Continental stations.

TEMPERATURE

Highest, 55° at Lisbon; 52° at Scilly; 50° at Parsonstown, Valencia (Ireland), Rock's Point, Hurst Castle and Brest.
Lowest 21° at Haparanda, 27° at Pola and 28° at Hernösand; (2) 32° at Lyons, 34° at Paris, and 35° at Munich.
During yesterday the thermometer rose to 45° and upwards over the United Kingdom generally, and to 50° and upwards on several part of our west and south coasts.

WIND

Fresh to strong from the S.W. on the west coasts of our Islands and France, with a moderate gale at Donaghadee and Scilly.
Light to moderate from the S.W. over Germany, the Netherlands, and the eastern parts of England and France.
S.E. in the north of Scotland; varying between E. and N. over Denmark and Scandinavia.

WEATHER

Fair or fine over the central and southeastern parts of England and also over France and Belgium.
Dull elsewhere, with rain on many parts of our west and southwest coasts, as well as in North Germany. Snow is falling at Hernösand and Pola.
Rain fell yesterday over nearly the whole of Western Europe, the largest amounts being 0·8 in: at Valencia (Ireland), and 0·5 in: at Lyons and Biarritz.

SEA

Rather rough on our western and extreme northern coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the Irish coasts is moving northwards, but there are some indications of the advance of a secondary system towards the mouth of the English Channel. Freshening S. winds and very changeable weather are therefore probable over England.

FORECASTS

For the 24 hours ending at NOON on 11th DEC: 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S. and S.E. winds, increasing in force; dull, some rain.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as Nos. 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. winds, freshening considerably; dull at first with some rain, improving temporarily later.	8 ENGLAND S.W.	S. and S.W. winds, strong, perhaps a gale; rainy at first, some improvement later.
		9 IRELAND NORTH 10 IRELAND SOUTH	Varying S. breezes; unsettled, rain at times.
		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.93	41	40	SSE	2	0	2
Sumburgh Head	29.74	46	45	SSE	3	0	5
Stornoway	29.64	44	44	ZS	0	0	0
Aberdeen	29.71	45	43	SE	4	cq	5
Shields	29.57	45	45	ESE	4	d	4
Ardrossan	29.60	45	45	NNE	2	r	1
Malin Head ...	29.62	45	45	Z	0	0	0
Belmullet	29.69	48	45	WSW	1	bc	*
Holyhead	29.53	46	45	N	4	rfq	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.75	49	44	SW	2	bv	4
Scilly	29.81	50	46	W	5	bc	5
Jersey	29.84	52	47	W	5	bc	4
Hurst Castle ...	29.67	48	45	WSW	6	ou	3
Dungeness ...	29.66	48	46	WSW	5	c	4
North Foreland	29.70	49	46	SW	3	o	2
London (Westminster)	29.61	50	46	WSW	2	oq	*
Yarmouth ...	29.62	45	44	S	3	cqm	4
Rochefort ...	29.97	50	49	NW	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain in several parts of Great Britain and France, as well as in the south of Russia and the neighbouring portions of Austria. Fine in the south of Ireland, and also in Spain, Italy, Germany, and the west of Austria. Sky clearing later at many of the western stations in our Islands and France, but weather remaining dull and unsettled over Great Britain as a whole. Rain and snow setting in over Sweden.

Temperature rises in the north and east of Great Britain, and also in France, Norway, and Russia, falls in most other localities. Morning readings highest 60° at Oran, 58° at Algiers and Malta, and 57° at Nemours, above 50° at several of the Mediterranean and Spanish coast stations. Lowest 1 Fahr at Archangel, +2° at Moscow, 16° at Haparanda, and 19° at Kuopio; below the freezing point over the southern parts of Germany. Rising during day to 45° and upwards over the United Kingdom generally, and to 51° and upwards on many parts of our west and southwest coasts, as well as in the extreme south of France.

Wind strong to a gale from the W^ly or NW^ly in the southwest of our Islands, fresh from the same quarters in the west of France. Moderate to fresh from the S^ly or SE^ly over the Netherlands and the eastern parts of Great Britain and France. SW^ly over North Germany; S^ly over the Baltic; SE^ly in Finland; E^ly or NE^ly over the greater part of Scandinavia. Variable over Italy and Austria; S^ly in the extreme south of Russia. Subsequently veering to the SW^ly in the southeast of England, and backing to the same quarter on the Irish coasts.

Barometer highest 30·3 in. and upwards in a large anticyclone lying over the northern and central parts of Russia, and also in another system off the southwest of Spain. Lowest 29·3 in. and less, in a depression over North Wales; 29·8 in. and less, in two other systems—one lying over Denmark and the south of Sweden and the other over the extreme south of Russia. Welsh depression subsequently advancing eastwards across England; new disturbance beginning to approach the Irish coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 11th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·28	19	E	2	0	30·36	+·13	16	15	− 5	SE	0	0	*	0	*	23	7	-
	Hernösand ...	30·26	29	NE	4	0	30·29	+·13	28	24	0	NE	2	0	*	0	*	30	27	0·04
	Stockholm ...	30·13	33	NE	2	0	30·23	+·21	33	33	− 2	N	2	0	*	0	*	37	32	0·04
	Wisby	30·06	36	NE	4	0	30·16	+·23	34	33	0	ESE	4	r	*	0	*	37	30	-
	Karlstad ...	30·15	33	N	2	0	30·23	+·18	33	32	− 1	N	2	f	*	0	*	*	*	-
	Bodö	30·20	29	ENE	2	b	30·25	+·14	27	22	0	ENE	2	b	1	b	*	34	21	-
	Christiansund ...	30·06	42	E	1	0	30·15	+·10	39	37	− 2	SE	0	0	3	0	*	43	37	-
	Skudesnaes ...	30·05	38	SE	0	c	30·08	+·09	41	37	+ 3	SE	4	b	3	c	*	41	36	*
	Færder (Christiania Fjord)	30·13	35	NE	2	0	30·20	+·16	35	33	0	NE	2	0	1	0	*	36	34	0·08
	Skagen (The Scaw)	30·12	37	E	1	0	30·17	+·17	37	36	0	ESE	1	0	0	0	*	39	36	-
	Fanö	30·00	34	E	1	0	30·04	+·13	34	34	+ 1	E	3	0	*	0	*	36	33	0·16
GERMANY & HOLLAND.	Sumburgh Head	29·80	42	SE	5	0	29·77	−·09	43	42	0	SE	6	0	7	c, o	*	44	40	0·04
	Stornoway ...	29·53	46	SE	5	r	29·68	+·08	40	40	− 7	W	3	bc	3	o, r	0·0	48	37	0·43
	Wick	29·68	45	SE	7	0	29·61	−·12	44	44	− 1	NW	1	or	5	o	*	46	42	0·50
	Nairn	29·59	48	E	1	c	29·66	−·03	42	42	− 2	SE	0	c	1	c	*	48	39	0·06
	Aberdeen ...	29·71	46	SE	5	ogq	29·68	−·12	43	42	− 2	W	2	ogp	4	gq, rq	0·0	47	43	0·51
BRITISH ISLANDS.	Leith	29·60	45	SE	2	0	29·72	−·02	44	44	0	WSW	2	om	*	0	*	46	41	0·05
	Shields	29·70	44	SSE	2	dm	29·71	−·05	45	44	0	WNW	3	o	3	m, dm, r	*	49	43	0·04
	Spurn Head ...	29·74	44	SSE	3	r	29·81	·00	45	45	+ 2	SW	2	o	3	o, r	*	46	42	0·06
	York	29·73	45	SW	1	r	29·82	·00	45	45	+ 1	WSW	1	or	0·0	48	42	0·20
	Loughborough ...	29·73	48	SW	3	r	29·82	−·03	46	45	+ 8	SW	2	o	*	c, oq, p, o	*	49	38	0·07
	Ardrossan ...	29·53	45	NE	2	rm	29·77	+·09	46	46	+ 1	W	3	c	2	r, rm	*	46	[illegible]	0·66
	Malin Head ...	29·47	46	W	3	c	29·78	+·36	43	42	− 1	W	2	bm	1	r, o, c	*	49	[illegible]	0·17
	Belmullet ...	29·52	42	WSW	2	b	29·87	+·48	38	38	− 9	W	1	c	*	b	*	51	35	0·08
	Donaghadee ...	29·50	48	S	4	c	29·82	+·17	41	41	− 7	W	4	o	2	c	*	49	40	0·58
	Liverpool (Bidston)	29·59	49	SE	4	op	29·81	+·02	44	43	− 3	WSW	3	r	3	p	*	50	38	0·16
	Holyhead ...	29·52	49	SW	1	gmr	29·84	+·16	44	43	− 3	W	3	c	2	rq, qm	*	49	[illegible]	0·51
	Parsonstown ...	29·57	45	W	1	o	29·90	+·46	34	33	− 16	S	1	c	*	o, d	0·0	50	[illegible]	0·05
	Valencia ...	29·62	47	WSW	2	c	29·95	+·49	43	41	− 7	W	1	bc	4	cp, cm	0·0	50	[illegible]	0·20
	Roche's Point ..	29·58	46	WNW	3	d	29·94	+·45	39	37	− 11	NW	3	b	5	d	*	50	[illegible]	0·15
	Pembroke (St. Ann's Hd.)	29·57	48	NW	3	o	29·90	+·26	45	44	− 5	NW	4	b	4	o	0·0	50	[illegible]	0·81
	Scilly	29·51	50	SW	3	o	29·93	+·31	48	45	− 4	WNW	4	c	5	m, r, o	0·0	53	[illegible]	0·83
	Prawle Point ...	29·68	49	S	3	r	29·91	+·08	44	43	− 5	WNW	3	c	4	rq, p	*	50	[illegible]	0·15
	Jersey (St. Aubin's)	29·84	50	S	5	om	29·92	−·01	47	47	− 1	W	2	om	1	o, m, p	*	51	[illegible]	0·19
	Hurst Castle ...	29·79	50	E	5	p	29·87	−·03	46	45	− 4	WSW	2	c	2	op	*	50	45	0·25
	Dungeness ...	29·87	48	SW	5	f	29·87	−·05	45	44	− 1	S	5	c	4	o, r	*	49	45	0·02
	North Foreland	29·93	47	S	3	r	29·89	−·05	44	42	+ 2	S	3	o	3	o, r	*	49	40	0·02
	London (Brixton) ...	29·83	49	S	4	opd	29·83	−·09	46	45	+ 3	SSE	5	o	*	opd, qj	0·0	49	43	0·03
	Oxford	29·78	49	SSW	3	r	29·85	−·05	45	45	+ 5	SSE	1	qfr	*	r	*	49	39	0·12
	Cambridge ...	29·81	48	S	3	d	29·87	−·03	45	44	+ 6	S	1	oq	*	d	0·4	50	37	0·01
	Yarmouth ...	29·86	45	ENE	2	c	29·88	+·06	44	43	0	S	3	c	3	c	*	45	41	0·02
	Cuxhaven ...	29·92	37	SE	0	f	30·02	+·15	38	38	+ 1	SE	0	f	*	f	*	41	36	0·04
	Berlin	30·06	37	SW	2	c	30·10	+·07	40	39	+ 4	W	2	r	*	c	*	41	36	0·04
	Wiesbaden ...	*	*	*	*	*	30·16	+·06	33	32	− 3	SE	0	o	*	*	*	41	32	-
	Munich	30·21	35	SW	2	b	30·23	+·05	28	28	− 7	SE	3	f	*	b	*	39	21	0·04
	The Helder ...	29·94	42	SW	1	bc	29·97	+·24	41	41	− 2	S	1	o	1	bc	*	45	[illegible]	0·08
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30·06	+·06	38	35	− 2	SSE	4	o	*	o	*	48	[illegible]	-
	Cape Gris Nez ...	29·88	46	SSW	4	o	29·87	−·03	40	38	− 6	S	3	c	3	o	*	48	37	-
	Paris	29·99	44	SSE	3	c	30·01	−·11	36	35	+ 2	SSE	3	o	*	c	*	46	34	-
	Brest	29·73	50	S	6	r	29·94	+·07	49	46	− 1	NNW	4	c	5	r	*	52	45	0·12
	Lorient	29·85	46	SW	6	c	29·97	+·04	48	47	+ 1	NW	3	bc	5	c	*	48	45	0·35
	Rochefort ...	29·75	47	S	4	o	30·00	−·08	48	48	+ 2	W	3	r	*	bc, o	*	51	46	0·16
	Belfort	30·26	35	WSW	1	m	30·14	−·06	29	29	− 8	E	1	m	*	m	*	44	27	-
	Lyons ...	30·22	36	SW	1	f	30·15	−·13	31	31	− 1	NW	1	o	*	f	*	45	31	-
	Nice	30·12	45	E	0	b	30·20	+·17	44	38	− 3	E	2	bc	2	b	*	54	39	-
	Perpignan ...	30·16	44	E	2	b	30·13	−·10	38	38	− 5	W	2	c	*	b	*	59	[illegible]	-
	Biarritz ...	29·99	54	SSE	2	o	30·07	−·07	53	48	+ 5	SSW	4	o	4	o	*	59	[illegible]	-
PENINSULA.	Corunna ...																*			
	Lisbon	30·15	51	NE	2	c	30·25	+·02	50	47	− 5	NNW	3	b	*	c	*	57	[illegible]	0·59
	Azores (P. Delgada)	30·45	54	NNW	3	c	30·39	+·08	59	52	+ 5	WSW	5	o	3	c	*	61	52	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

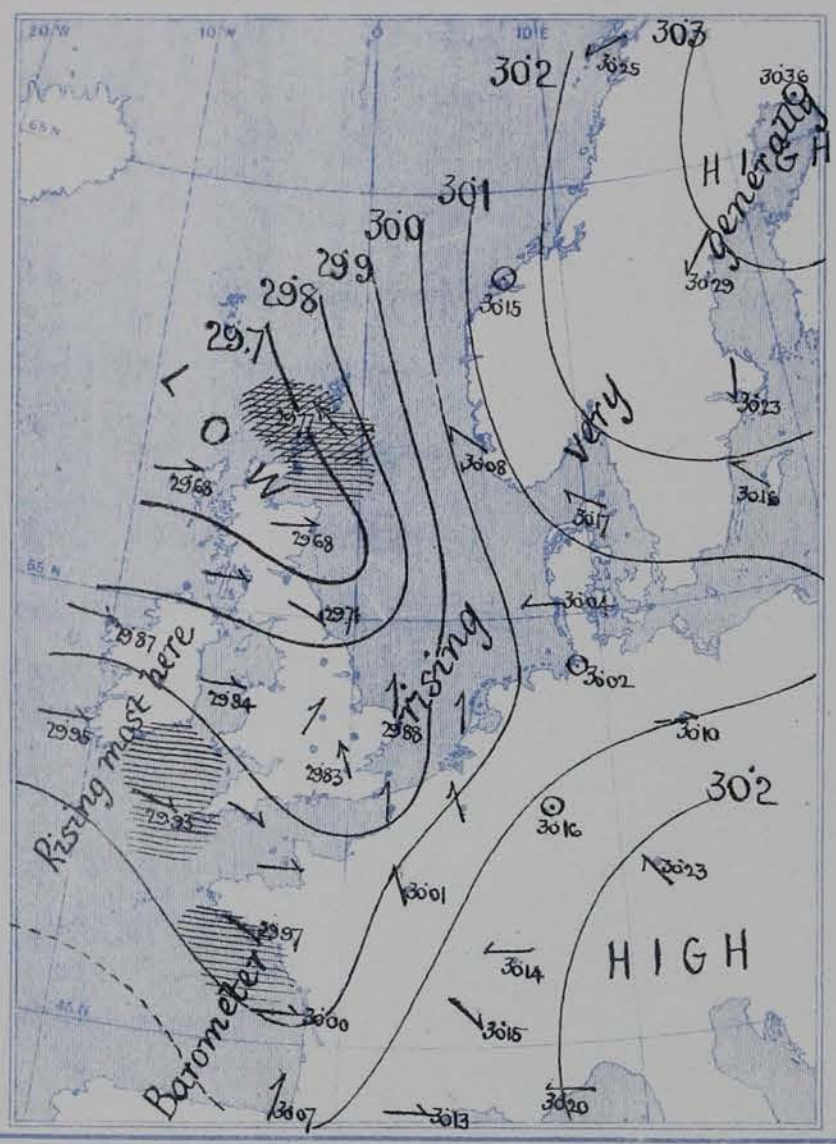
Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·6 hrs; Hastings 0·7 hrs; Eastbourne 0·4 hr.

WEATHER CHARTS

FOR Friday, 11th December, 1896.

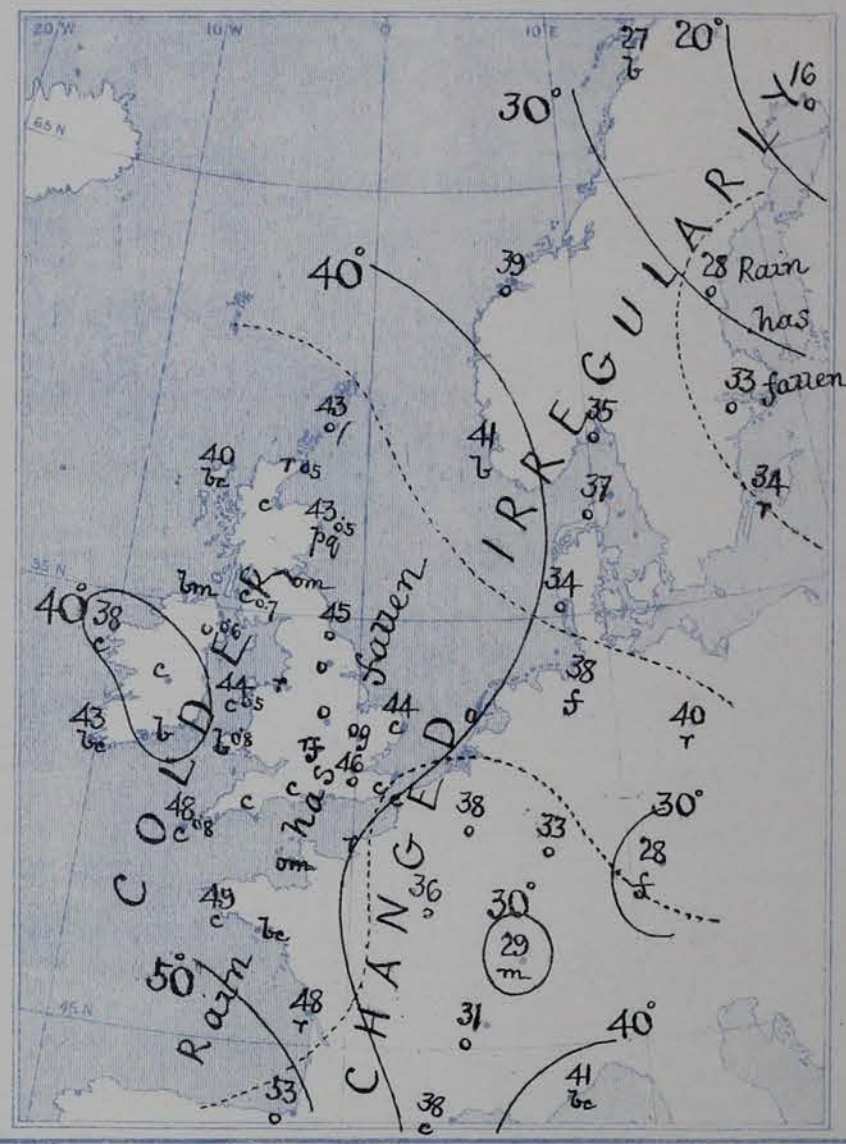
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	8	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 9	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 960	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 0	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 70	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 9[illegible]	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	14	1878	2 · 11	11 · 9†	5†
Oxford	29 · 950	37 · 1	36 · 0	43 · 2	32 · 0	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 5	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 941	38 · 1	37 · 1	42 · 2	33 · 8	56	1872	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in. and upwards over the Gulf of Bothnia and the north of Sweden; 30·2 in. and upwards over Switzerland and South Germany.
Lowest, 29·7 in. and less, in a depression lying over the north of Scotland.
Gradients slight generally, but moderate over the northern parts of the North Sea.
Barometer rising generally, – most in the west.

TEMPERATURE

Highest, 53° at Biarritz, 48° at Brest, 48° at Scilly, Lorient, and Rochefort, and 47° at Jersey.
Lowest, (1) 16° at Haparanda, 17° at Bodö and 28° at Hernösand; (2) 28° at Mumick and 29° at Belfast; (3) 34° at Parsonstown.
During yesterday the thermometer rose to 45° and upwards over the United Kingdom generally, and to 50° or more at several of our western and southern stations.

WIND

Light to moderate from the W. or NW. in the west and north of our Islands and the west of France.
Moderate to fresh from the S. over the southeastern parts of England and the neighbouring parts of the Continent.
E. in Scandinavia and Denmark; variable in the southern parts of France and Germany.

WEATHER

Fair or fine at most of our more western stations, and also in the south of France.
Dull in nearly all other parts of our area, with rain in isolated parts of Great Britain, as well as at Wick, Berlin, and Rochefort.
Rain fell yesterday over the whole of our Islands and the neighbouring portions of the Continent, the largest amounts being 0·8 inch at Pembroke and Scilly, and 0·7 inch at Aldergrove.

SEA

High at Stornoway Head, and rather rough at Wick, Roches Point, Scilly and Lorient, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the depression in the north some shallow secondary disturbances are reported over England. These will probably pass away to the eastward, and in their rear the weather is likely to become temporarily finer and colder.

FORECASTS

For the 24 hours ending at NOON on 12th Decr. 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W. to SW. winds, light; fair at first, some rain later.
2 ENGLAND N.E.	W. winds, light; some rain at first, then finer and colder.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. to W. or NW. winds, moderate; some rain at first, then finer and colder.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	W. to NW. winds, backing later; fair at first, then cloudy with some rain.
WARNINGS	At 3·50 pm yesterday to districts 0 and 1 "HOIST SOUTH CONE". The signals have been lowered again this morning.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to S.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·04	41	38	Z	0	c	5
Sumburgh Head	29·85	43	41	SE	4	c	5
Stornoway	29·53	48	46	SE	5	o	5
Aberdeen	29·74	45	43	SE	5	o q q	5
Shields	29·73	45	45	ESE	3	o m	3
Ardrossan	29·57	45	45	ENE	3	r	2
Malin Head ...	29·42	47	46	S	3	o	1
Belmullet	29·47	48	46	WSW	1	o	*
Holyhead	29·53	49	48	SSE	6	g m r	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·54	49	47	WSW	1	c m	4
Scilly	29·55	51	51	NW	3	r	5
Jersey	29·87	50	49	SSE	5	o	4
Hurst Castle ...	29·82	50	48	SSW	5	o p	3
Dungeness ...	29·90	48	47	SW	5	o	4
North Foreland	29·91	47	46	S	2	o	2
London (Westminster)	29·86	50	48	SSW	3	o g z	*
Yarmouth ...	29·87	45	43	SSW	3	c	3
Rochefort ...	30·05	51	49	S	4	b c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair over the central and southeastern parts of England, and also over Belgium, France, and Spain, dull elsewhere, with rain on our own west and southwest coasts, as well as over North Germany and Italy; snow reported over Central Sweden and the Gulf of Finland. Rain falling later over the whole of our Islands and their immediate neighbourhood,—heavily at several of our western and northern stations.

Temperature risen in the west and north of our Islands, changed irregularly elsewhere. Morning readings highest, 60° at Malta, 56° at Lisbon, and 54° at Palermo, Algiers, and Sfax; touching 50° or more on our own southwest coasts. Lowest 10° at Archangel, 17° at Moscow, 19° at St Petersburg and 21° at Haparanda; below the freezing point in many parts of northern and eastern Europe. Rising during day to 50° and upwards at several of our western and southern stations; exceeding 55° in the south of France.

Wind fresh to strong from the S^ly on the west coasts of our Islands and France, and from the SE^ly in the north of Scotland. Light to moderate from the SW^ly over the eastern parts of England, the Netherlands, and Germany; varying between E. and N. over Scandinavia and Denmark. Light and variable over Austria and the south of Russia, E^ly in Italy. Subsequently increasing to a gale from the SE^ly in the northeast of Scotland, but veering to the W^ly in Ireland, and falling light.

Barometer highest 30·4 in. and upwards, in an anticyclone over the south of Spain; 30·3 in. and upwards, in another system over Austria; 30·2 in. and upwards, in a third over the northern parts of Sweden and Finland. Lowest 29·4 in. and less, in a depression off the northeast of Ireland; 29·8 in. and less, in another system off the Dutch coasts; 29·9 in. and less, in a third over the south of Russia; 30·0 in. and less, in a fourth over Sardinia and Western Italy. Depression off Irish coasts subsequently moving northeastwards; secondary disturbances forming over England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 12th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·45	18	N	2	0	30·45	+·09	12	11	−4	Z	0	b	*	0	*	19	12	-
	Hernösand ...	30·33	24	N	6	S	30·31	+·02	27	24	−1	N	4	S	*	S	*	30	28	0·04
	Stockholm ...	30·20	29	N	2	r	30·19	−·04	25	24	−8	N	2	0	*	r	*	34	?	0·04
	Wisby	30·19	34	N	4	0	30·13	−·03	30	30	−4	NNE	4	S	*	0	*	37	28	0·04
	Karlstad ...	30·27	32	N	2	0	30·23	·00	27	26	−6	N	4	0	*	0	*	*	*	-
	Bodö	30·23	26	S	4	b	30·25	·00	27	29	0	E	4	b	1	b	*	?	21	-
	Christiansund ...	30·13	35	ESE	3	b	30·02	−·13	37	33	−2	SE	3	b	3	b	*	39	34	-
	Skudesnaes ...	30·04	42	SE	6	c	29·97	−·11	41	37	0	SE	8	0	?	c	*	42	36	*
	Færder (Christiania Fjord)	30·25	35	NE	3	0	30·19	−·01	32	30	−3	NE	3	0	2	0	*	36	32	-
	Skagen (The Scaw)	30·20	36	ESE	1	c	30·15	−·02	35	33	−2	ESE	5	0	2	c	*	37	35	-
	Fanö	30·03	36	E	3	r	29·97	−·12	36	36	+2	ESE	4	0	*	r	*	37	34	0·32
BRITISH ISLANDS.	Sumburgh Head	29·72	43	SE	6	r	29·66	−·11	41	41	−2	SE	1	c	6	r	*	44	41	0·54
	Stornoway ...	29·74	40	W	1	b	29·47	−·21	39	39	−1	ENE	6	0	6	bc, b	2·0	46	34	0·04
	Wick	29·73	43	NW	3	bc	29·59	−·02	42	41	−2	S	3	c	4	bc	*	45	36	0·03
	Nairn	29·77	43	WSW	1	c	29·59	−·07	39	38	−3	Z	0	b	1	c	*	45	32	0·01
	Aberdeen ...	29·81	37	W	1	bw	29·69	+·01	36	36	−7	SSW	2	cgmu	4	bc, bw	1·2	45	30	0·02
	Leith	29·83	42	WSW	3	0	29·67	−·05	39	38	−5	SE	1	om	*	0	*	47	37	-
	Shields	29·85	42	NW	1	b	29·71	·00	36	36	−9	SW	2	cm	2	0, b	*	47	34	-
	Spurn Head ...	29·86	44	WNW	3	om	29·83	+·02	36	36	−9	S	3	cm	2	r, 0 m, f	*	45	34	0·18
	York	29·86	45	W	1	b	29·80	−·02	33	33	−12	S	1	f	*	0, b	0·0	48	31	0·01
	Loughborough ...	29·93	42	WNW	1	b	29·85	+·03	36	35	−10	ESE	2	om	*	0, c, b, om	*	47	34	-
	Ardrossan ...	29·84	45	Z	0	0	29·57	−·20	44	44	−2	SE	5	r	4	c, 0	*	47	38	0·01
	Malin Head ...	29·82	41	S	3	bm	29·35	−·43	39	38	−4	S	5	or	3	b, bm	*	46	38	0·04
	Belmullet ...	29·83	46	WSW	2	bcp	29·44	−·43	47	45	+9	WNW	2	c	*	bc, p	*	47	35	0·45
	Donaghadee ...	29·90	38	WSW	3	b	29·55	−·27	43	43	+2	SSW	5	r	3	b	*	44	34	0·05
	Liverpool (Bidston)	29·93	41	W	1	b	29·75	−·06	37	36	−7	E	2	0	2	b	*	45	35	0·02
	Holyhead ...	29·92	44	W	1	b	29·62	−·22	44	43	0	S	6	gmr	4	bc	*	46	40	0·08
	Parsonstown ...	29·92	36	S	1	bc	29·44	−·46	43	42	+9	S	1	r	*	bc, r	4·4	48	33	0·37
	Valencia ...	29·90	44	S	2	om	29·57	−·38	49	45	+6	W	6	bcqj	6	b v p, rm	3·8	50	36	0·88
	Roche's Point ..	29·97	43	W	1	b	29·52	−·42	47	46	+8	W	5	c	5	b, r	*	49	39	0·35
	Pembroke (St. Ann's Hd.)	29·96	45	W	3	b	29·64	−·26	45	44	0	WSW	6	rqj	5	b	6·0	47	43	0·14
	Scilly	30·01	48	WNW	3	c	29·62	−·31	48	48	0	S	7	m	5	c	5·2	50	45	0·23
	Prawle Point ...	30·03	43	WSW	3	bc	29·82	−·09	46	45	+2	SW	6	ru	5	c	*	50	41	0·02
	Jersey (St. Aubin's)	30·05	45	W	2	bw	29·98	+·06	46	44	−1	S	4	om	3	bcp, b	*	52	39	0·01
	Hurst Castle ...	29·98	44	WNW	1	bm	29·89	+·02	48	43	+2	SSW	4	ou	2	bc, bm	*	49	34	0·05
	Dungeness ...	29·93	44	WSW	3	bc	29·93	+·06	45	44	0	SSW	3	c	2	r, bc	*	47	38	0·02
GERMANY & HOLLAND.	North Foreland	29·95	45	W	2	0	29·95	+·06	39	38	−5	SW	2	bc	2	r, 0	*	46	36	0·12
	London (Brixton) ...	29·95	44	W	2	bm	29·93	+·10	39	38	−7	S	2	c	*	od, bm, bc	0·0	48	32	0·01
	Oxford	29·99	39	SW	2	b	29·88	+·03	36	36	−9	SE	2	fm	*	r, b, f	*	48	32	0·01
	Cambridge ...	29·93	45	WNW	1	b	29·92	+·05	34	34	−11	S	1	c	*	0	0·0	49	30	0·13
	Yarmouth ...	29·85	44	WSW	1	rm	29·90	+·02	36	35	−8	SW	2	bf	3	od, rm	*	45	34	0·18
	Cuxhaven ...	30·02	39	S	1	f	29·90	−·12	36	36	−2	S	2	0	*	f, r	*	41	34	0·08
	Berlin	30·15	40	Z	0	0	30·07	−·03	33	33	−7	SSW	3	0	*	0	*	41	32	-
	Wiesbaden ...	*	*	*	*	*	30·10	−·06	33	33	0	SW	1	r	*	*	*	34	32	0·04
	Munich... ...	30·17	29	SE	2	f	30·15	−·08	26	25	−2	SE	3	r	*	f	*	34	25	-
	The Helder ...	29·94	39	SSE	1	0	29·92	−·05	42	42	+1	SW	1	m	1	0	*	43	39	-
BELGIUM.	Brussels ...	*	*	*	*	*	30·05	−·01	41	41	+3	SSW	1	0	*	0	*	42	35	-
	Cape Gris Nez...	29·90	44	NW	4	c	29·95	+·08	44	43	+4	S	2	r	2	c	*	45	39	0·04
	Paris	30·07	43	SSW	2	0	30·09	+·08	41	41	+5	S	1	f	*	0	*	44	36	-
	Brest	30·06	48	WNW	2	b	?	?	49	46	0	SSW	4	0	5	b	*	52	43	-
	Lorient... ...	30·02	48	W	3	?	29·93	−·04	48	47	0	?S	4	0	4	?	*	48	45	-
FRANCE &	Rochefort ...	30·06	49	NW	3	b	30·10	+·10	41	41	−7	S	4	r	*	0, b	*	55	37	0·12
	Belfort	30·15	34	Z	0	m	30·13	−·01	36	36	+7	SW	1	f	*	m	*	39	29	0·04
	Lyons	30·19	44	SW	1	0	30·18	+·03	39	38	+8	NW	1	f	*	0	*	50	31	0·04
	Nice	30·21	44	E	1	c	30·20	·00	41	37	0	E	1	c	2	c	*	50	41	-
	Perpignan ...	30·18	43	SW	1	b	30·21	+·08	45	43	+7	SW	1	0	*	b	*	54	38	0·04
	Biarritz ...	30·13	50	W	4	0	30·18	+·11	50	46	−3	SSW	3	b	5	0	*	54	45	0·43
PENINSULA.	Corunna ...																*			
	Lisbon	30·29	49	NNW	2	b	30·32	+·07	49	46	−1	NW	2	b	*	b	*	57	48	-
	Azores (P. Delgada)	30·35	61	WSW	5	0	30·34	−·05	61	60	+2	W	5	c	4	0	*	63	57	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 2·6 hrs; Brighton 1·0 hrs; Hastings 0·0 hrs; Eastbourne 0·3 hr.

WEATHER CHARTS

FOR *Saturday, 12th December, 1896.*

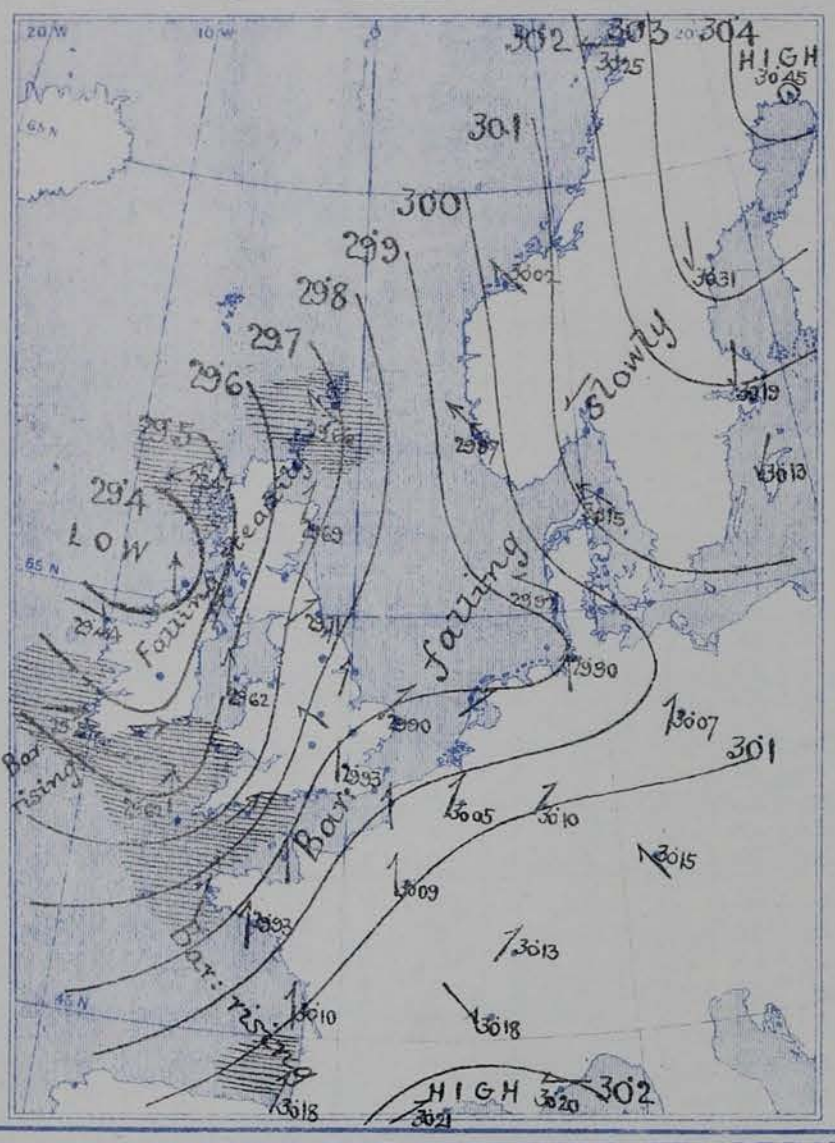
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ ; }

SEA—*Rough* : *High*

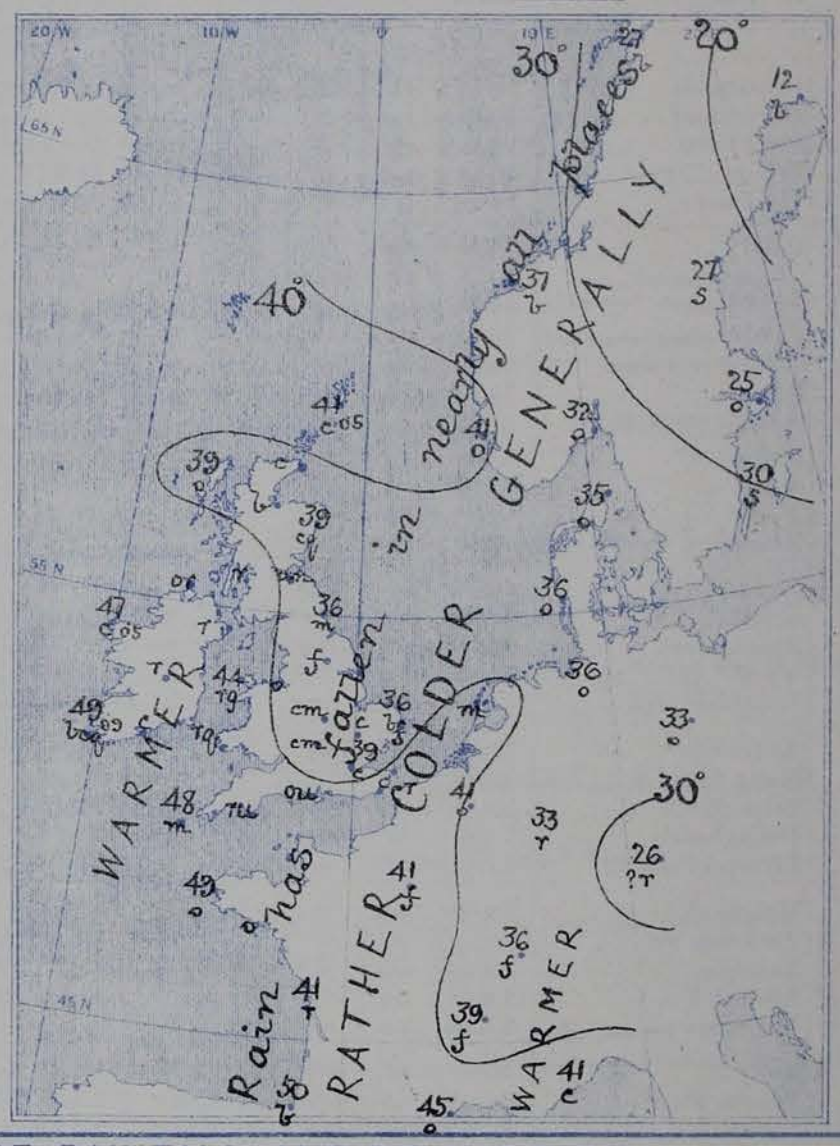


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those withow rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	9	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·945	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 in. and upwards, in an anticyclone lying over Lapland; 30·3 in. and upwards in another system lying off the southwest of Spain.
Lowest, 29·4 in. and less, in a depression off the west of Scotland.
Gradients moderate over Great Britain and the North Sea, but slight elsewhere.
Barometer falling generally, but rising again at Valencia (Ireland) and also in the southwest of France.

TEMPERATURE

Highest, 50° at Biarritz, 49° at Valencia (Ireland), Brest and Lisbon, 48° at Scilly and Jersey, and 47° at Rocket Point.
Lowest, (1) 12° at Haparanda and 25° at Stockholm; (2) 26° at Munich; (3) 33° at York and 34° at Cambridge.
Frost occurred last night in many parts of Great Britain, the lowest readings reported being:—(1) In the screen 30° at Aberdeen and Cambridge and 31° at York; (2) on the grass 26° at Loughborough.

WIND

S. in most parts of Great Britain and France, and strong in free on our western coasts, moderate to strong from the W. in the west and south of Ireland.
SE. on the eastern shores of the North Sea, with a gale at Shoeburness; moderate from the N. in Sweden.

WEATHER

Fair on the east coasts of Great Britain, as well as in the west and south of Ireland; fine and bright in the west of Norway. Dull in many other localities, with rain in the north of Ireland and the western parts of Great Britain, as well as at Rochefort, Wiesbaden, and Munich. Snow is falling at Hunosand.
Since yesterday morning rain has fallen in most parts of Western Europe, the largest amounts being 0·9 in. at Valencia (Ireland), and 0·5 in. at Lerwick, Hd. and Valencia.

SEA

Rough off the north of Scotland, and also at Valencia (Ireland), rather rough on our southwest coasts generally, as well as at Brest and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland is moving northwards, but "V shaped" secondary disturbances are again spreading eastwards over the United Kingdom. Freshening S. winds and rain are, therefore, probable in many parts of Great Britain.

FORECASTS

For the 24 hours ending at NOON on 13th DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SE. and S. winds, freshening considerably; dull, some rain.	6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	S. winds, strong, to W., moderate; dull and rainy at first, improving temporarily later.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No. 5.	9 IRELAND NORTH 10 IRELAND SOUTH	W. to S. winds; fair at first, some rain later.
5 ENGLAND SOUTH	S. winds, freshening considerably; dull and rainy at first, some improvement later.	WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.09	42	38	S S E	6	c	4
Sumburgh Head	29.72	43	43	SE	6	r	7
Stornoway ...	29.73	46	46	W	2	bc	2
Aberdeen	29.77	45	43	W	1	bc	4
Shields	29.81	46	45	WSW	2	o	3
Ardrossan	29.82	46	46	W	3	c	2
Malin Head ...	29.81	46	44	W	3	b	1
Belmullet	29.90	46	44	WSW	2	bc	*
Holyhead	29.91	45	43	W	2	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.95	48	44	SSW	1	b v p	4
Scilly	30.00	49	46	WNW	4	c	4
Jersey	30.01	51	49	NW	3	bc	3
Hurst Castle ...	29.94	49	46	W	2	bc	2
Dungeness ...	29.87	47	47	SW	3	r	2
North Foreland	29.91	45	44	S	4	r	2
London (Westminster)	29.90	50	47	WNW	2	o	*
Yarmouth ...	29.87	44	43	S	4	o d	3
Rochefort ...	30.02	52	52	S	1	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair at most of our own western stations and also in Italy and the south of France. Cloudy or dull elsewhere, with rain in isolated parts of Great Britain, as well as at Wick, Copenhagen, Berlin, and Rochefort. Snow reported over the Gulf of Finland, and fog at many of the Russian and south German stations. Rain falling later over Western Europe generally, heavily in the south of Ireland, but sky clearing over Great Britain towards evening.

Temperature fallen in our Islands and over southern Europe generally, changed irregularly elsewhere. Morning readings highest 57° at Malta, 54° at Capliri, Palermo, and Patras, and 53° at Biarritz, Algiers, and Athens. Lowest 16° at Haparanda and St Petersburg, 17° at Uleaborg, and 21° at Kuopio: below the freezing point over nearly the whole of Sweden, Russia, and Austria and also in the east of France. Rising during day to 45° and upwards over the United Kingdom generally, and to 50° and upwards on our extreme southwest coasts, as well as in the west and south of France. Frost occurring over Great Britain at night.

Wind light to moderate from the W. or NW. in the west and north of our Islands, and the west of France; S. over the southeast of England and the neighbouring parts of the Continent: SE. or E. on the eastern shores of the North Sea. N. or NE. over Sweden and Finland, SW. or W. over Germany and the south of Russia; calm or variable in Austria; NE. or E. over the greater part of Italy. Subsequently veering to the W. over England, but backing to the SW. or S. in Ireland.

Barometer highest 30·3 ins. and upwards, in an anticyclone lying over the Gulf of Bothnia and the neighbouring part of Sweden and Finland; 30·2 ins. and upwards in other systems lying over various parts of southern and eastern Europe. Lowest 29·7 ins. and less, in a depression lying over the north of Scotland: secondary disturbances reported over various parts of England. Depressions subsequently filling up, but fresh disturbance approaching our western coasts at night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday, 13th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·21	14	NNE	2	bc	?30·37	−·08	0	0	−12	N	2	f	*	bc	*	24	?	—
	Hernösand ...	30·27	26	N	6	s	30·27	−·04	24	23	−3	N	4	o	*	s	*	28	23	0·32
	Stockholm ...	30·09	28	NE	2	o	30·06	−·13	30	29	+5	ENE	4	o	*	o	*	30	25	—
	Wisby	30·01	26	N	4	b	29·93	−·20	30	29	0	E	4	bc	*	b	*	32	23	0·08
	Karlstad ...	30·14	26	NE	2	o	30·08	−·15	29	27	+2	ENE	4	o	*	o	*	*	*	—
	Bodö	30·20	27	NE	2	b	30·13	−·12	27	23	0	ENE	2	b	1	b	*	27	23	—
	Christiansund ...	29·96	35	SE	1	b	29·89	−·13	33	29	−4	?WSW	5	b	3	b	*	37	30	—
	Skudesnaes ...	29·93	37	SE	6	o	29·87	−·10	35	33	−6	E	6	o	4	o	*	41	34	*
	Færder (Christiania Fjord)	30·13	28	NE	5	o	30·06	−·13	29	28	−3	NE	6	o	2	o	*	30	28	—
	Skagen (The Scaw)	30·04	31	E	5	o	29·97	−·18	32	30	−3	E	5	o	2	o	*	36	28	—
	Fanö	29·81	36	ESE	2	o	29·77	−·15	34	33	−2	SE	4	f	*	o	*	37	34	0·12
BRITISH ISLANDS.	Sumburgh Head	29·61	44	SW	4	o	29·59	−·07	42	41	+1	SE	6	r	7	o	*	45	39	0·15
	Stornoway ...	29·42	42	S	4	r	29·54	+·07	35	35	−4	W	3	bc	3	r	0·0	44	33	0·37
	Wick	29·51	40	S	7	o	29·54	−·05	39	39	−3	NW	1	od	3	o	*	45	38	0·15
	Nairn	29·48	40	E	0	r	29·56	−·03	38	38	−1	W	2	c	1	r	*	43	34	0·15
	Aberdeen ...	29·56	43	SSE	5	ogrq	29·58	−·11	37	36	+1	NW	3	org	5	org	0·0	44	36	0·40
	Leith	29·55	40	E	0	r	29·60	−·07	38	37	−1	WSW	2	o	*	r	*	42	36	0·14
	Shields	29·53	41	SE	3	r	29·59	−·12	37	36	+1	WSW	2	b	2	r	*	42	35	0·02
	Spurn Head ...	29·56	42	SSE	5	rq	29·61	−·22	40	39	+4	W	4	c	3	orq,m	*	44	35	0·10
	York	29·52	41	S	3	r	29·67	−·13	37	37	+4	W	1	b	*	r	0·0	42	32	0·20
	Loughborough ...	29·58	40	SSE	3	o	29·73	−·12	37	35	+1	W	3	b	*	or,c,bc	*	42	34	0·32
	Ardrossan ...	29·48	44	SW	3	r	29·61	+·04	38	38	−6	E	0	bm	0	r	*	44	38	0·28
	Malin Head ...	29·51	45	WNW	5	bc	29·58	+·23	36	36	−3	S	3	bm	2	bc	*	?47	36	0·20
	Belmullet ...	29·72	45	WNW	4	c	29·53	+·09	41	40	−6	SSE	2	c	*	c	*	47	38	0·07
	Donaghadee ...	29·54	42	WNW	4	c	29·67	+·12	35	35	−8	WSW	4	b	2	r,c	*	43	34	0·56
	Liverpool (Bidston)	29·50	43	W	6	o	29·71	−·04	39	38	+2	W	3	bc	3	or	*	45	37	0·09
	Holyhead ...	29·57	46	WNW	7	cpq	29·71	+·09	41	39	−2	SW	2	c	1	rq,cpq	*	46	39	0·31
	Parsonstown ...	29·70	40	SW	1	b	29·65	+·21	35	35	−8	SE	1	o	*	b,r	4·0	46	33	0·08
	Valencia ...	29·82	48	W	5	bc	29·52	−·05	46	44	−3	S	3	rq	4	hq,bc	4·3	49	39	0·20
	Roche's Point ...	29·80	45	WNW	4	b	29·66	+·14	48	48	+1	SW	5	p	5	b	*	49	40	0·15
	Pembroke (St. Ann's Hd.)	29·70	48	NW	7	b	29·75	+·11	45	43	0	W	4	bc	4	b	1·0	48	40	0·46
	Scilly	29·80	48	WNW	5	b	29·77	+·15	49	48	+1	SSW	5	o	5	c,b	3·3	52	44	0·12
	Prawle Point ...	29·74	45	W	4	b	29·85	+·03	47	45	+1	W	3	bc	2	rq,b	*	48	41	0·30
	Jersey (St. Aubin's)	29·77	50	WSW	5	bc	29·93	−·05	46	44	−1	WSW	3	bcm	3	r,bc,hrp	*	50	41	0·35
	Hurst Castle ...	29·65	46	W	4	b	29·84	−·05	43	42	−5	WSW	3	bcm	2	m,b	*	48	41	0·29
	Dungeness ...	29·68	45	SSW	7	r	29·78	−·15	38	37	−7	W	3	b	2	o,r	*	47	37	0·15
	North Foreland	29·72	44	S	6	c	29·75	−·20	39	38	0	W	6	b	5	c	*	46	37	0·12
	London (Brixton) ...	29·60	43	SSW	4	odp	29·78	−·15	37	35	−2	WSW	2	b	*	ogr,b	0·0	46	36	0·11
	Oxford	29·64	40	WSW	2	b	29·79	−·09	36	35	0	WSW	3	b	*	r,b	*	45	35	0·26
	Cambridge ...	29·62	41	S	3	rq	29·73	−·19	37	36	+3	WSW	3	b	*	orq	0·0	45	33	0·29
	Yarmouth ...	29·70	43	SSE	4	or	29·62	−·28	41	40	+5	WNW	4	cf	3	cpr	*	43	35	0·18
GERMANY & HOLLAND.	Cuxhaven ...	29·86	38	SW	2	bc	29·69	−·21	36	36	0	SE	2	o	*	bcpd	*	41	34	—
	Berlin	29·94	36	E	0	r	29·85	−·22	35	35	+2	SE	1	f	*	r	*	41	33	0·08
	Wiesbaden ...	*	*	*	*	*	29·83	−·27	38	37	+5	SW	1	bc	*	*	*	39	33	0·04
	Munich	30·05	36	W	3	r	29·95	−·20	35	35	+9	SW	3	r	*	r	*	37	26	0·04
	The Helder ...	29·87	40	S	1	o	29·50	−·42	41	40	−1	W	1	o	1	o	*	43	39	0·08
BELGIUM.	Brussels ...	*	*	*	*	*	29·78	−·27	41	39	0	WSW	5	o	*	o	*	43	39	0·12
	Cape Gris Nez ...	29·72	44	SW	5	r	?29·76	−·19	42	40	−2	NW	5	b	5	r	*	46	39	0·28
	Paris	29·93	43	S	3	r	29·93	−·16	38	37	−3	SW	2	b	*	r	*	44	36	0·08
	Brest	29·88	49	NW	4	c	29·94	?	50	48	+1	WSW	3	o	4	c	*	52	45	0·24
	Lorient	29·86	48	NW	6	c	29·97	+·04	45	44	−3	SW	2	c	5	c	*	48	43	0·12
FRANCE &	Rochefort ...	29·95	47	WSW	5	r	30·04	−·06	46	45	+5	WSW	2	o	*	r	*	52	41	0·24
	Belfort	30·06	39	WSW	3	f	29·94	−·19	38	38	+2	W	6	r	*	f	*	41	36	0·20
	Lyons ...	30·13	43	SE	1	o	30·08	−·10	42	39	+3	N	1	c	*	o	*	48	39	0·04
	Nice	30·13	44	ENE	2	o	29·96	−·24	42	40	+1	E	1	b	1	o	*	50	41	—
	Perpignan ...	30·14	42	NW	1	b	30·12	−·09	50	46	+5	NNW	2	o	*	b	*	54	38	—
	Biarritz ...	30·06	52	SW	3	o	30·12	−·06	51	50	+1	SW	4	o	4	o	*	55	50	0·04
PENIN-SULA.	Corunna ...																*			
	Lisbon	30·34	53	SW	3	o	30·30	−·02	57	57	+8	WSW	4	r	*	o	*	57	49	0·24
	Azores (P. Delgada)	30·40	63	WSW	4	o	30·37	+·03	61	58	0	WSW	4	c	3	o	*	64	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

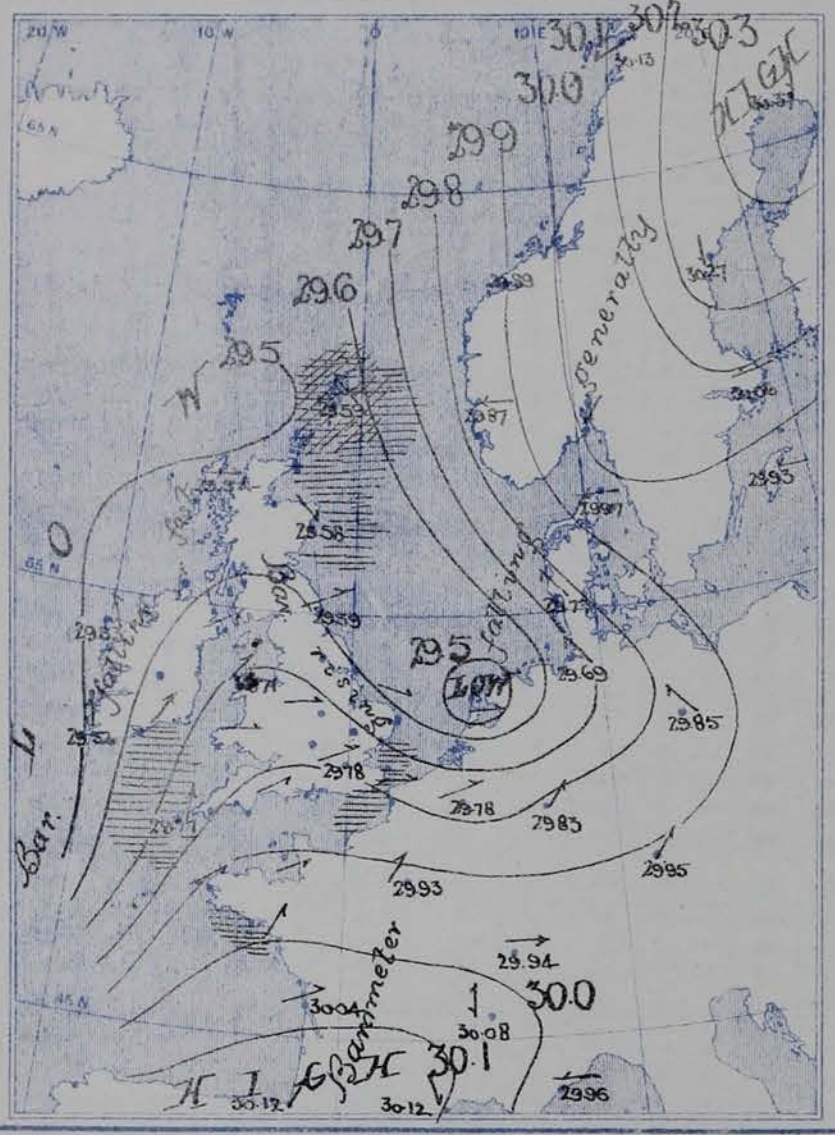
Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* ? *hrs; Hastings* ? *hrs;* Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR SUNDAY, 13TH DEC.R 1896.

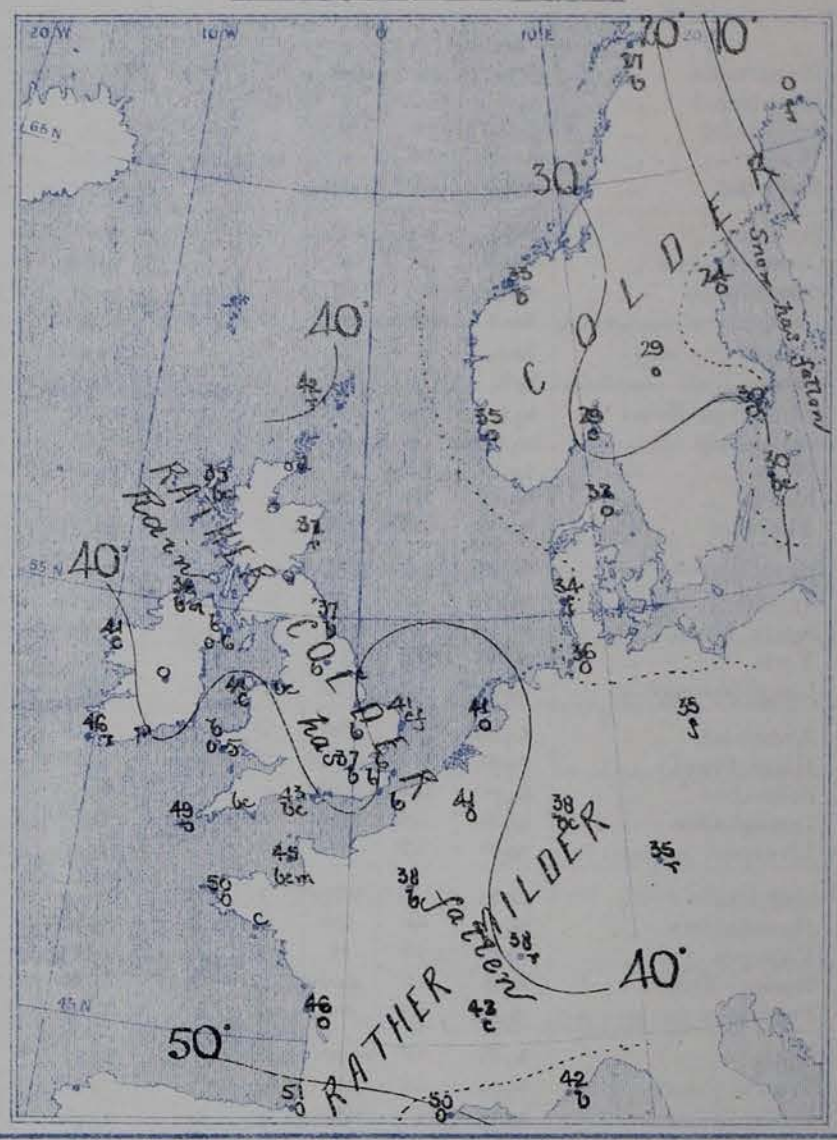
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 6	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·3 in. and more to 30·0 in. over Northern Europe, including Sweden and the north of Norway; (2) 30·37 in. at Ponta Delgada (Azores), and 30·3 in. to 30·0 in. over the Iberian Peninsula and the southwestern parts of France.

Lowest. Below 29·6 in. over Scotland and the western parts of Ireland, and below 29·5 in. in a small secondary system lying near the Hebrides.

Gradients moderate as a whole, but increasing in the west, they are favorable for S. winds over our western districts, W. winds over the rest of England, and SE winds over the eastern shores of the North Sea.

Barometer falling fast again in Ireland and the fall is extending eastwards.

TEMPERATURE

Highest, 57° at Lisbon, 51° at Biarritz, 50° at Brest, 49° at Scilly, and 47° at Prawle Point.

Lowest, (1) 0° F. at Haparanda, 24° at Hernösand, 27° at Bodö, 30° at Wick; (2) 36° at Oxford, 37° at several of our northern and northeastern stations; (3) 35° at Munich and Berlin, 38° at Belfast and Paris, 42° at Nice.

It is changing very fitfully over the United Kingdom generally.

WIND

S. and freshening, in the west of Ireland; W. and moderate over England, NW. and light in Scotland. On the eastern shores of the North Sea, however, it is SE. to E., moderate to strong in force, while over the Bay of Biscay it is light to moderate from the SW.

WEATHER

Very changeable. Fine and bright over England, the northeast of France, and the northwest of Norway. Dull and very unsettled elsewhere, with rain at many of our western and northern stations and at Munich.

Rain has fallen very generally, but in small quantities except on the shores of the Irish Sea – hail at Jersey, but bright intervals had occurred in the west.

SEA

High at Lerwick, rather rough (and rising) on our southwest coasts, slight in the east, smooth in the northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 14th DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NONE ISSUED	▼ 6 SCOTLAND WEST	NONE ISSUED
▼ 1 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 3·40 pm. yesterday to districts 0 and 1. and at 9·30 am today to districts 6. 7. 9. and 10 "HOIST SOUTH CONE".

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.96	41	36	SE	6	c	4
Sumburgh Head	29.62	44	44	SE	3	o	6
Stornoway	29.40	43	42	S	5	r	5
Aberdeen	29.59	43	40	SSE	5	ogqw	5
Shields	29.61	38	38	SE	2	r	2
Ardrossan	29.46	44	44	SE	4	r	3
Malin Head ...	29.41	47	45	WNW	5	c	3
Belmullet	29.57	47	45	WNW	4	bc	*
Holyhead	29.41	45	44	WNW	8	opq	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.73	49	44	W	6	bchq	6
Scilly	29.72	51	49	W	6	c	4
Jersey	29.79	45	44	SSW	5	r	4
Hurst Castle ...	29.72	45	43	SSW	5	m	3
Dungeness ...	29.83	45	45	SSW	4	o	3
North Foreland	29.83	45	44	S	3	o	2
London (Westminster)	29.75	47	44	S	4	or,	*
Yarmouth ...	29.79	43	42	S	3	c	3
Rochefort ...	30.02	51	49	WSW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair on the east coasts of Great Britain and also in the west and south of Ireland; dull and raining in most other parts of our Islands. Cloudy and unsettled over the Continent as a whole, with fog over Austria, South Germany, and the central parts of France and Spain; rain falling at several of the Danish and German stations, as well as at Rochefort, and snow at Hernösand, St Petersburg and Riga. Fine and bright in the west of Norway and also in several parts of Spain and Italy. Rain falling later over the whole of Western Europe – heavily in places.

Temperature fallen in most countries, but rise in Ireland and also in Central France and the extreme south of England. Morning readings highest 58° at Malta, 56° at Cagliari, and 55° at Algiers, above 50° at several of the Mediterranean stations. Lowest 12° at Haparanda, 13° at Archangel, and 21° at Kuopio and St Petersburg; below the freezing point in many parts of northern, eastern and central Europe. Daily maxima below 45° at most of our more western and central stations, but thermometer rising to between 48° and 52° on our southwest coasts. Reaching 55° or more in several parts of Southern Europe.

Wind S³ over Great Britain and France, and strong in force on our western coasts, ~~and strong in force on our western coasts~~; moderate to strong from the W^ly in the west and south of Ireland. Light from the SW^ly over Germany and the Netherlands; SE² on the eastern shores of the North Sea, with a gale at Skudesnaes. E² in Finland: N² in Sweden. Light and variable over Southern Europe generally. Subsequently veering to the W^ly or NW^ly on all the west coasts of our Islands and France; increasing to a moderate gale from the SE^ly in the north and northeast of Scotland.

Barometer highest, 30.5 ins. and upwards in the extreme north of Russia; 30.3 ins. and upwards over the central and southern parts of Spain, 30.1 ins. and upwards over all but the northwestern parts of Europe. Lowest 29.4 ins. and less, in a depression lying off the west of Scotland; V shaped secondary systems reported over Ireland and the neighbouring Channels. Main disturbance subsequently moving northwards, but secondary systems advancing over England; barometer rising briskly on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 14th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·36	-8	E	0	b	30·34	-·03	-7	-8	-7	NE	2	c	#	b	#	14	-11	-
	Hernösand ...	30·22	19	N	2	bc	30·08	-·19	16	15	-3	N	6	S	#	bc	#	28	16	0·08
	Stockholm ...	30·01	28	W	4	0	29·85	-·21	23	22	-7	NNE	4	S	#	0	#	30	23	-
	Wisby	29·88	32	E	4	0	29·70	-·23	31	29	+1	E	4	0	#	0	#	32	21	0·04
	Karlstad ...	30·02	31	ENE	4	0	29·89	-·19	23	21	-6	NE	4	0	#	0	#	#	#	-
	Bodö	30·10	23	ENE	2	b	30·01	-·12	23	19	-4	ENE	2	b	1	b	#	28	21	-
	Christiansund ...	29·97	32	SE	3	b	29·87	-·02	29	27	-4	E	1	b	3	b	#	34	28	-
	Skudesnaes ...	29·83	36	ESE	6	c	29·76	-·11	33	31	-2	E	4	bc	2	0c	#	36	32	#
	Færder (Christiania Fjord)	30·00	31	NE	4	0	29·86	-·20	29	27	0	NE	6	0	3	0	#	32	28	-
	Skagen (The Scaw)	29·91	33	E	5	b	29·76	-·21	31	30	-1	E	6	0	2	b	#	34	30	-
	Fanö	29·65	34	E	6	0	29·48	-·29	33	32	-1	E	7	0	#	0	#	36	33	-
BRITISH ISLANDS.	Sumburgh Head	29·62	41	SE	7	r	29·60	+·01	40	37	-2	SE	5	0	7	r	#	43	39	0·09
	Stornoway ...	29·48	41	SSE	2	b	29·41	-·13	40	39	+5	S	4	c	4	b	2·9	42	32	0·04
	Wick	29·47	40	S	7	r	29·51	-·03	39	39	0	SE	5	0	6	r.rS	#	44	36	0·12
	Nairn	29·47	34	W	1	b	29·46	-·10	36	35	-2	E	0	c	1	b	#	39	30	0·03
	Aberdeen ...	29·51	39	WNW	1	0	29·48	-·10	40	38	+3	ESE	7	ogqprh	7	gr.hrp	0·0	42	37	0·28
	Leith	29·52	35	E	0	f	29·39	-·21	37	37	-1	E	0	rf	#	f	#	43	30	0·05
	Shields	29·51	39	WNW	2	b	29·31	-·28	43	42	+6	NE	3	0	4	b.r	#	43	34	0·07
	Spurn Head ...	29·53	37	SW	2	bw	29·24	-·37	42	41	+2	ENE	4	c	4	bcm.bw	#	42	36	-
	York	29·53	37	W	1	b	29·27	-·40	31	31	-6	N	1	b	#	b	5·0	46	30	-
	Loughborough ...	29·53	36	SE	1	0	29·20	-·53	40	39	+3	NE	3	omd	#	b.om.pg	#	44	36	0·04
	Ardrossan ...	29·45	37	NNE	2	bm	29·38	-·23	36	36	-2	E	0	om	0	bm	#	43	32	-
	Malin Head ...	29·36	39	SE	4	om	29·38	-·20	36	35	0	S	3	cm	1	om	#	41	35	-
	Belmullet ...	29·35	42	SE	3	om	29·45	-·08	43	41	+2	NW	2	0	#	om	#	47	35	0·37
	Donaghadee ...	29·39	44	ENE	3	bc	29·37	-·30	40	39	+5	NNE	4	bc	2	bc	#	44	34	-
	Liverpool (Bidston)	29·43	38	ESE	3	0	29·33	-·38	36	34	-3	NNE	1	b	2	bc.o	#	42	34	-
	Holyhead ...	29·39	42	E	3	om	29·32	-·39	41	38	0	NE	3	cm	2	om	#	44	38	0·01
	Parsonstown ...	29·22	42	SE	1	r	29·37	-·28	39	38	+4	NW	1	or	#	or	0·0	43	35	0·33
	Valencia ...	29·19	43	N	4	rq	29·56	+·04	45	39	-1	NNW	6	bcq	6	or	0·0	46	41	1·03
	Roche's Point ..	28·99	45	SE	8	r	29·42	-·24	41	41	-7	NNW	7	r	5	r	#	49	40	1·20
	Pembroke (St. Ann's Hd.)	29·10	46	SSE	7	r	29·29	-·46	42	40	-3	NE	4	bc	4	or	0·0	48	39	0·40
	Scilly	29·07	50	SSW	8	c	29·33	-·44	47	45	-2	NW	9	c	7	r.c	0·0	50	44	0·25
	Prawle Point ...	29·27	44	SE	8	r	29·19	-·66	40	39	-7	NNW	6	c	5	rq	#	47	38	0·59
	Jersey (St. Aubin's)	29·55	46	SSE	5	oq	29·09	-·84	45	43	0	NNW	7	oqr	5	oqr	#	50	44	0·22
	Hurst Castle ...	29·48	47	S	4	op	29·01	-·83	41	40	-2	NNE	5	oq	3	p.r	#	47	41	0·75
	Dungeness ...	29·60	44	SW	2	r	28·91	-·87	45	45	+7	SE	4	r	3	c.r	#	48	38	0·55
	North Foreland	29·65	42	S	1	c	28·99	-·76	40	40	+1	E	6	r	6	b.c	#	45	37	0·55
	London (Brixton) ...	29·53	43	SSE	3	0	29·01	-·77	39	33	+2	NE	3	0	#	b.orq	2·0	44	37	0·35
	Oxford	29·39	42	SE	3	r	29·10	-·69	40	38	+4	NNE	5	oq	#	b.r	#	43	35	0·18
	Cambridge ...	29·58	37	SW	1	f	29·12	-·61	39	38	+2	NE	4	oqu	#	b.f	3·0	46	36	0·06
	Yarmouth ...	29·60	38	NSW	3	b	29·13	-·49	41	39	0	E	6	cq	5	b	#	42	35	0·03
GERMANY & HOLLAND.	Cuxhaven ...	29·58	36	SE	4	0	29·33	-·36	36	36	0	S	1	r	#	o.rm	#	37	34	0·12
	Berlin	29·70	37	SSW	2	0	29·49	-·36	35	34	0	E	0	0	#	0	#	39	34	0·04
	Wiesbaden ...	#	#	#	#	#	29·35	-·48	35	34	-3	E	3	0	#	#	#	45	34	-
	Munich... ..	29·54	34	SW	3	c	29·46	-·49	29	29	-6	SE	4	bc	#	c	#	39	28	0·04
	The Helder ...	29·54	42	W	1	0	29·24	-·26	37	36	-4	ESE	1	bc	1	0	#	43	37	0·20
BELGIUM.	Brussels ...	#	#	#	#	#	29·08	-·70	36	36	-5	SE	2	r	#	0	#	43	35	0·55
	Cape Gris Nez ...	29·64	44	SW	4	0	28·98	-·78	43	42	+1	SE	1	0	3	0	#	46	39	0·51
	Paris	29·77	41	SSE	3	bc	29·09	-·84	45	43	+7	SSW	4	0	#	bc	#	46	38	0·20
	Brest	29·37	44	S	6	r	29·32	-·62	49	46	-1	NW	7	c	6	r	#	50	34	0·32
	Lorient... ...	29·45	47	SW	6	s	29·22	-·75	44	44	-1	NSW	8	?	6	?	#	52	44	0·39
FRANCE &	Rochefort ...	29·78	47	SW	3	0	29·48	-·56	48	47	+2	NNW	9	c	#	0	#	54	41	0·28
	Belfort	29·86	33	E	0	m	29·37	-·57	35	35	-3	E	0	r	#	m	#	42	31	0·08
	Lyons	29·93	41	W	1	0	29·47	-·61	41	38	-1	S	4	0	#	0	#	50	32	-
	Nice	29·83	45	ENE	1	bc	29·63	-·33	41	35	-1	E	0	b	1	bc	#	52	37	-
	Perpignan ...	30·14	46	E	0	0	29·71	-·41	54	50	+4	W	3	0	#	0	#	55	?	-
	Biarritz ...	29·92	52	S	3	0	29·70	-·42	55	53	+4	NSW	6	0	5	0	#	57	50	0·12
PENINSULA.	Corunna ...																#			
	Lisbon	30·25	58	NSW	4	f	30·18	-·12	58	57	+1	W	5	f	#	f	#	59	51	0·32
	Azores (P. Delgada)	30·39	62	NSW	4	0	30·34	-·03	62	59	+1	W	2	0	3	0	#	66	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

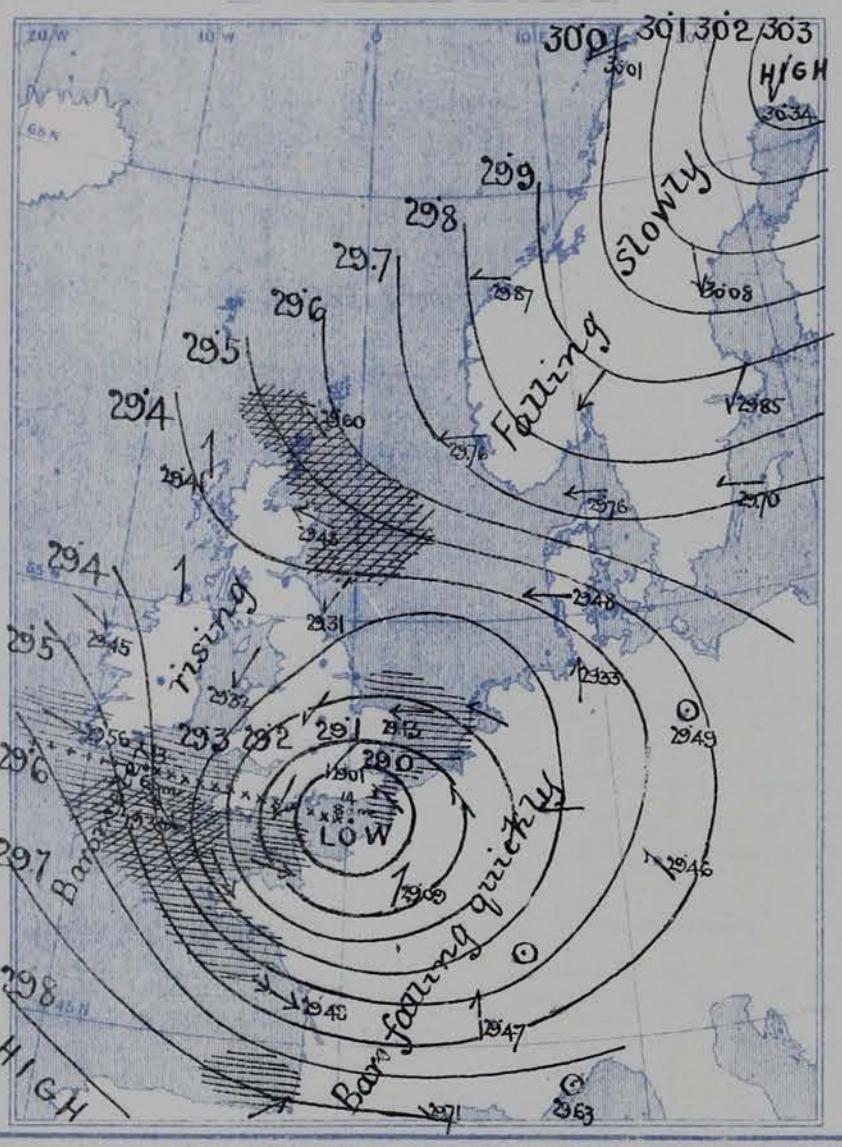
Bright Sunshine yesterday Southport 2·1 hrs; Brighton 3·0 hrs; Hastings 4·2 hrs; Eastbourne 3·5 hrs.

WEATHER CHARTS

FOR Monday, 14th December, 1896.

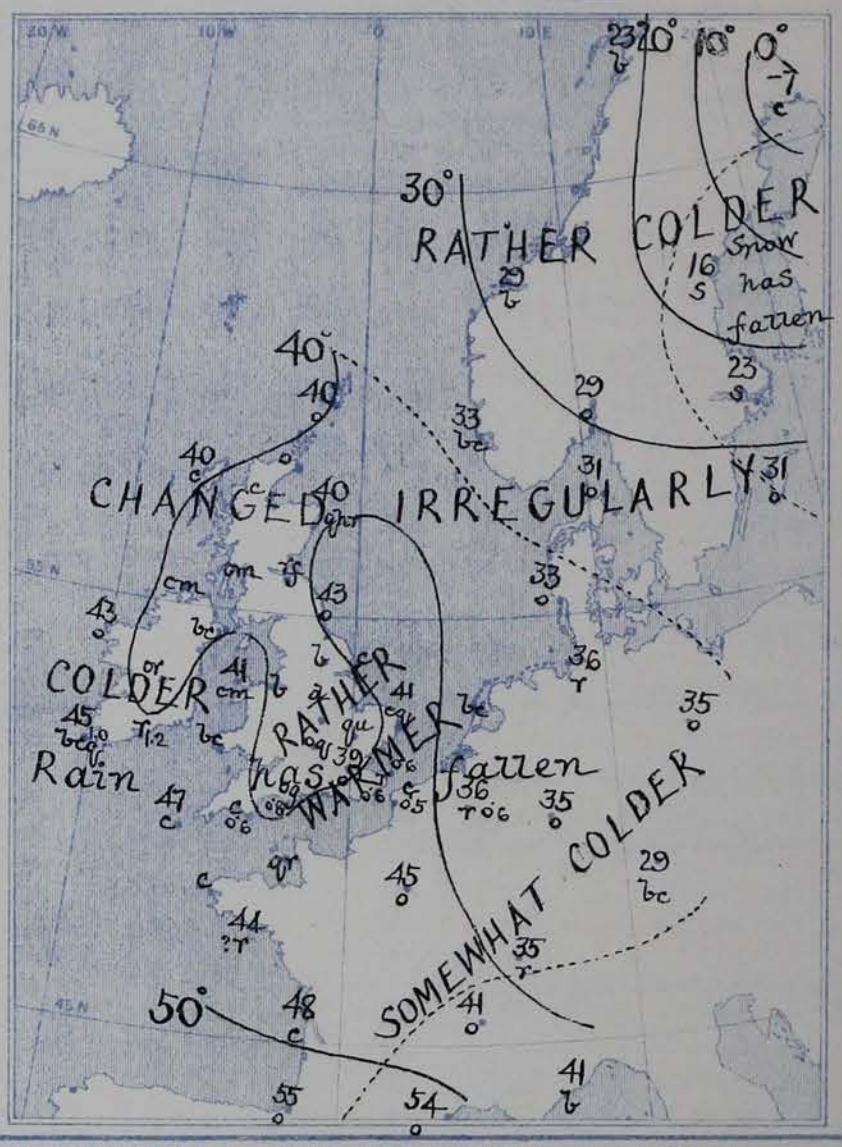
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; *Calm*
SEA—Rough : *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·966	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards over Lapland; 30·1 in: and upwards in the south of Portugal.
Lowest, 29·0 in: and less, in a well marked depression lying over the extreme southeast of England and the northeast of France
Gradients rather steep over France and the southern parts of England, moderate or slight elsewhere.
Barometer rising in most parts of the United Kingdom, but falling at the Continental stations.

TEMPERATURE

Highest, 58° at Lisbon, 55° at Biarritz, 54° at Perpignan, 48° at Rochefort, and 47° at Scilly.
Lowest, −7 F. at Haparanda, +16° at Hernösand, 23° at Stockholm and Karlstad, and 29° at Sarden and Munich.
Frost occurred last night over the northern parts of Great Britain, the lowest reading reported being 30° at Nairn, Leith and York

WIND

Blowing a strong gale from the NW^ly on our own southwest coasts and from the W^ly in the west of France.
Moderate from the S^ly over Central France; fresh or strong from the E^ly over Denmark and from the NE^ly in the south of Scandinavia, as well as over the greater part of England, SE in the north of Scotland.
During last night a fresh gale from the SE^ly was experienced in the south and southeast of England, and a violent gale from the NW^ly at the mouth of the Channel
Fine at several of our western stations and also on the Norwegian coasts.

WEATHER

Dull and unsettled in nearly all other parts of our area, with rain in the east of Scotland and the southeast of England, as well as in some of the southern Irish stations. Rain is also falling at Cuxhaven, Brussels and Belfast, and snow at Hernösand and Stockholm.
Since yesterday morning rain has fallen in most parts of our Islands and France, the largest amounts being 1·2 in: at Rocket Point, 1·0 in: at Valencia (Ireland), and 0·8 in: at Hunt Castle. Solar halos were seen yesterday in London and at Jersey.

SEA

High off the northeast of Scotland, as well as at the mouth of the English Channel, rough on our south and southeast coasts generally, moderate in the northeast and northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southeast will probably continue to move eastwards, but its progress is likely to be slow, and it is not improbable that the system will gradually fill up.

FORECASTS

For the 24 hours ending at NOON on 15TH DECR 1896.

DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH ↑ 1 SCOTLAND EAST	SE^ly and E^ly winds, strong in places; unsettled, some cold showers.
2 ENGLAND N.E.	NE^ly winds, moderate or fresh; changeable, some cold showers.
↑ 3 ENGLAND EAST 4 MIDLAND COUNTIES ↑ 5 ENGLAND SOUTH	NE^ly winds, strong at first, but moderating later; changeable, some cold showers.
↑ 6 SCOTLAND WEST ↑ 7 ENGLAND N.W.	Light Variable breezes; cloudy, some fog or mist.
↑ 8 ENGLAND S.W.	NW^ly gales, moderating later and backing to the W^ly; some showers at first then fair.
↑ 9 IRELAND NORTH ↑ 10 IRELAND SOUTH	NW^ly to W^ly or SW^ly winds; fair at first, some rain later.
WARNINGS	At 7 pm yesterday to districts 3, 5, and 8 "HOIST SOUTH CONE". The signals are flying in all districts excepting No. 2.

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

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YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.91	36	35	ESE	6	0	4
Sumburgh Head							
Stornoway	29.51	42	41	S	4	6	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.43	38	37	S	4	0	2
Belmullet	29.35	42	42	SE	3	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.78	48	46	SW	5	0	4
Hurst Castle ...							
Dungeness ...	29.67	46	44	NNW	4	0	3
North Foreland	29.72	44	42	N	4	6	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.92	50	49	S	3	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 6TH TO THE 12TH DEC. 1896.

The weather experienced during this week has been of a most changeable character. There have been two high pressure systems in our neighbourhood – one over Scandinavia, the other over the Atlantic. Small but deep depressions have advanced over us from the S.W.; some of these on reaching the southwest of England have undergone rapid modification, both in intensity and form, and finally filled up over the North Sea, while others appeared off the west of Ireland and travelled northwards.

There has therefore been a succession of gales from between SE. and SW. accompanied by rain and followed by brief intervals of westerly wind and clear weather. The days have been mild for the time of year, very dull, and, as a rule, more or less rainy, the nights occasionally frosty, and at the close of the week there was no indication of any permanent change.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 15th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·30	−5	NNE	2	b	30·28	−·06	7	7	+14	NE	2	s	*	b	*	7	−8	—
	Hernösand ...	29·97	15	N	6	s	29·94	−·14	15	14	−1	N	6	s	*	s	*	23	12	0·16
	Stockholm ...	29·68	23	NE	4	o	29·60	−·25	33	33	+10	ENE	4	s	*	o	*	33	21	0·39
	Wisby	29·52	31	ENE	4	o	29·41	−·29	34	33	+3	ESE	4	o	*	o	*	34	27	0·04
	Karlstad ...	29·76	20	N	2	bc	29·63	−·26	19	17	−4	NNW	6	o	*	bc, s	*	*	*	—
	Bodö	30·04	21	ENE	6	b	30·06	+·05	21	17	−2	ENE	5	b	2	b	*	23	16	—
	Christiansund ...	29·78	27	SE	2	b	29·78	−·09	25	23	−4	ESE	2	b	3	b	*	28	25	—
	Skudesnaes ...	29·75	29	ESE	4	c	29·71	−·05	28	25	−5	?E	2	bc	2	b, c	*	34	27	*
	Færder (Christiania Fjord)	29·77	23	NE	6	o	29·71	−·15	22	21	−7	NNE	6	o	3	o	*	29	21	—
	Skagen (The Scaw)	29·66	28	ENE	5	s	29·65	−·11	25	24	−6	NE	5	o	2	s	*	34	25	—
	Fanö	29·48	31	NE	6	c	29·54	+·06	30	30	−3	NE	6	c	*	c	*	36	28	—
	Sumburgh Head	29·66	38	SE	3	o	29·63	+·03	36	34	−4	NW	1	c	4	o	*	40	31	0·12
	Stornoway ...	29·54	42	S	3	o	29·61	+·20	40	40	0	S	4	r	4	o	0·0	43	33	—
	Wick	29·57	38	SE	3	r	29·64	+·13	34	34	−5	W	1	bc	5	rhp	*	42	32	0·20
	Nairn	29·55	35	E	1	o	29·66	+·20	24	23	−12	L	0	b	1	o	*	38	22	—
	Aberdeen ...	29·59	39	ESE	5	omq	29·71	+·23	33	33	−7	SW	1	cg	3	qhp, s	0·0	41	33	0·25
BRITISH ISLANDS.	Leith	29·52	39	E	2	r	29·70	+·31	36	36	−1	SW	1	f	*	r	*	40	32	0·44
	Shields	29·44	42	E	5	prh	29·68	+·37	39	35	−4	NE	2	c	4	cprh	*	43	37	0·18
	Spurn Head ...	29·31	42	NNE	4	o	29·63	+·39	38	35	−4	NNE	4	bcr	4	ov, p	*	45	37	0·10
	York	29·37	39	NNW	1	op	29·70	+·43	39	33	+2	NNW	1	b	*	o	0·0	40	31	0·08
	Loughborough ...	29·36	39	NW	2	o	29·66	+·46	36	35	−4	N	1	cm	*	gmp, op	*	40	36	0·09
	Ardrossan ...	29·50	39	NE	2	rf	29·70	+·32	34	34	−2	N	1	bcf	1	of, rf	*	39	33	0·02
	Malin Head ...	29·50	40	S	1	om	29·70	+·32	42	40	+6	NNW	2	o	1	om	*	42	35	0·20
	Belmullet ...	29·62	42	SSE	3	b	?29·75	+·30	40	38	−3	WNW	1	c	*	bc, b	*	44	34	0·02
	Donaghadee ...	29·47	43	NNE	5	c	29·70	+·33	36	36	−4	W	3	c	2	c	*	43	34	—
	Liverpool (Bidston)	29·41	39	NNW	1	o	29·70	+·37	35	34	−1	L	0	o	1	o	*	41	34	—
	Holyhead ...	29·44	44	NW	3	o	29·70	+·38	40	39	−1	L	0	og	0	o	*	44	38	—
	Parsonstown ...	29·54	39	W	2	r	29·79	+·42	31	31	−8	L	0	b	*	or	0·0	39	31	0·31
	Valencia ...	29·65	44	NW	3	c	29·88	+·32	36	35	−9	WNW	2	bp	4	c	1·4	46	34	0·07
	Roche's Point ..	29·57	42	NNW	4	c	29·83	+·41	37	35	−4	NW	3	b	4	c	*	43	35	0·02
	Pembroke (St. Ann's Hd.)	29·46	43	NNE	3	o	29·72	+·43	39	38	−3	NNW	3	r	4	o	0·0	43	38	0·14
	Scilly	29·51	46	NNW	6	cp	29·75	+·42	45	42	−2	NNW	6	c	4	cp	1·3	47	41	0·02
	Prawle Point ...	29·44	40	NNW	3	o	29·68	+·49	37	36	−3	NNW	3	c	3	og	*	42	35	—
	Jersey (St. Aubin's)	29·42	45	NW	4	cg	29·65	+·56	45	42	0	NNW	3	bcm	3	r, cg	*	45	41	0·12
	Hurst Castle ...	29·38	41	NNW	3	om	29·63	+·62	40	37	−1	WNW	3	cm	2	ow, om, r	*	43	36	0·01
	Dungeness ...	29·23	41	N	4	c	29·51	+·60	37	37	−8	N	2	c	1	c	*	45	35	0·02
	North Foreland	29·24	43	NNE	6	o	29·53	+·54	40	39	0	N	6	o	5	o	*	43	37	0·02
	London (Brixton) ...	29·34	40	N	3	bc	29·61	+·60	39	38	0	NNE	2	og	*	o, bc, cp	0·0	43	38	0·02
	Oxford	29·40	37	NW	3	o	29·64	+·54	37	36	−3	N	2	og	*	og	*	42	37	—
	Cambridge ...	29·34	37	N	3	c	29·63	+·51	37	36	−2	N	1	rg	*	c	0·0	44	35	0·06
	Yarmouth ...	29·26	41	NE	4	c	29·56	+·43	38	37	−3	NE	4	r	5	c	*	42	36	0·05
GERMANY & HOLLAND.	Cuxhaven ...	29·29	34	E	5	r	29·42	+·09	32	32	−4	NNE	4	o	*	s, p	*	37	32	0·08
	Berlin	29·33	33	SE	3	f	29·33	−·16	34	33	−1	NE	2	s	*	f	*	37	32	—
	Wiesbaden ...	*	*	*	*	*	29·28	−·07	37	36	+2	NW	2	o	*	*	*	37	35	0·35
	Munich... ..	29·20	34	SW	3	o	29·27	−·19	34	34	+5	W	2	s	*	o	*	37	28	0·12
	The Helder ...	29·24	38	ENE	6	o	29·49	+·25	37	35	0	NE	5	o	3	o	*	39	37	0·04
BELGIUM.	Brussels ...	*	*	*	*	*	29·48	+·40	34	33	−2	N	3	o	*	r	*	42	33	0·12
	Cape Gris Nez...	29·20	40	NE	5	r	29·49	+·51	40	39	−3	N	4	c	4	r	*	45	36	0·43
	Paris	29·20	43	WNW	4	r	29·52	+·43	39	37	−6	WNW	2	f	*	r	*	46	39	0·35
	Brest	29·55	47	NNW	4	c	29·72	+·40	46	43	−3	NNW	5	c	4	c	*	52	37	0·08
	Lorient... ...	29·44	46	WNW	8	m	29·73	+·51	44	44	0	WSW	6	?	8	m	*	46	43	0·35
FRANCE &	Rochefort ...	29·59	46	NW	9	r	29·69	+·21	45	44	−3	NNW	6	bc	*	c, r	*	54	43	0·24
	Belfort	29·13	38	SW	8	r	29·38	+·01	33	33	−2	WSW	5	s	*	r	*	43	31	0·43
	Lyons	29·39	45	W	6	bc	29·56	+·09	37	35	−4	WNW	1	o	*	bc	*	52	36	0·04
	Nice	29·44	48	WNW	6	b	29·36	−·27	42	34	+1	W	6	c	5	b	*	64	41	—
	Perpignan ...	29·68	52	NW	7	c	29·72	+·01	46	41	−8	NW	4	o	*	c	*	61	42	—
	Biarritz ...	29·84	53	WNW	6	r	29·83	+·13	51	48	−4	WNW	6	r	7	r	*	55	46	0·24
PENINSULA.	Corunna ...																*			
	Lisbon	30·41	58	W	5	r	30·46	−·02	54	51	−4	NNE	1	b	*	r	*	61	52	0·12
	Azores (P. Delgada)	29·96	43	WSW	4	c	30·25	−·09	62	58	0	SW	5	c	4	c	*	66	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

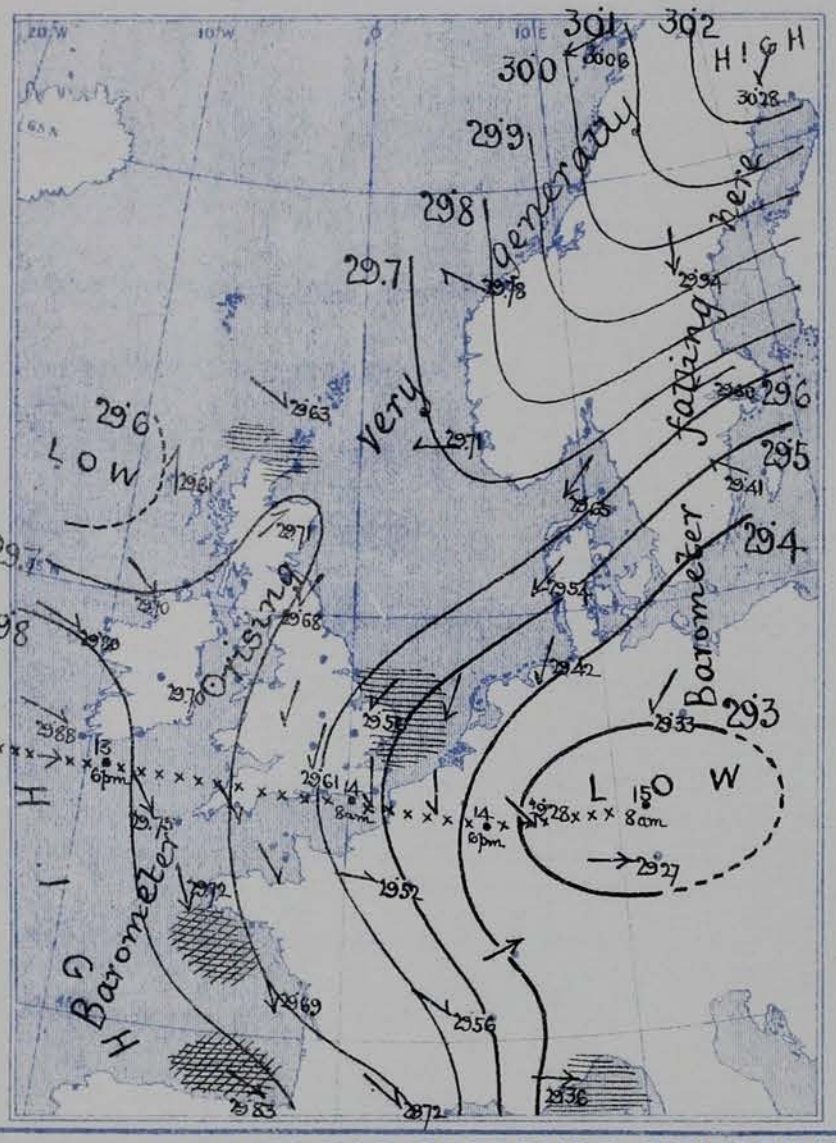
Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 0·0 hrs; Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR Tuesday, 15th December, 1896.

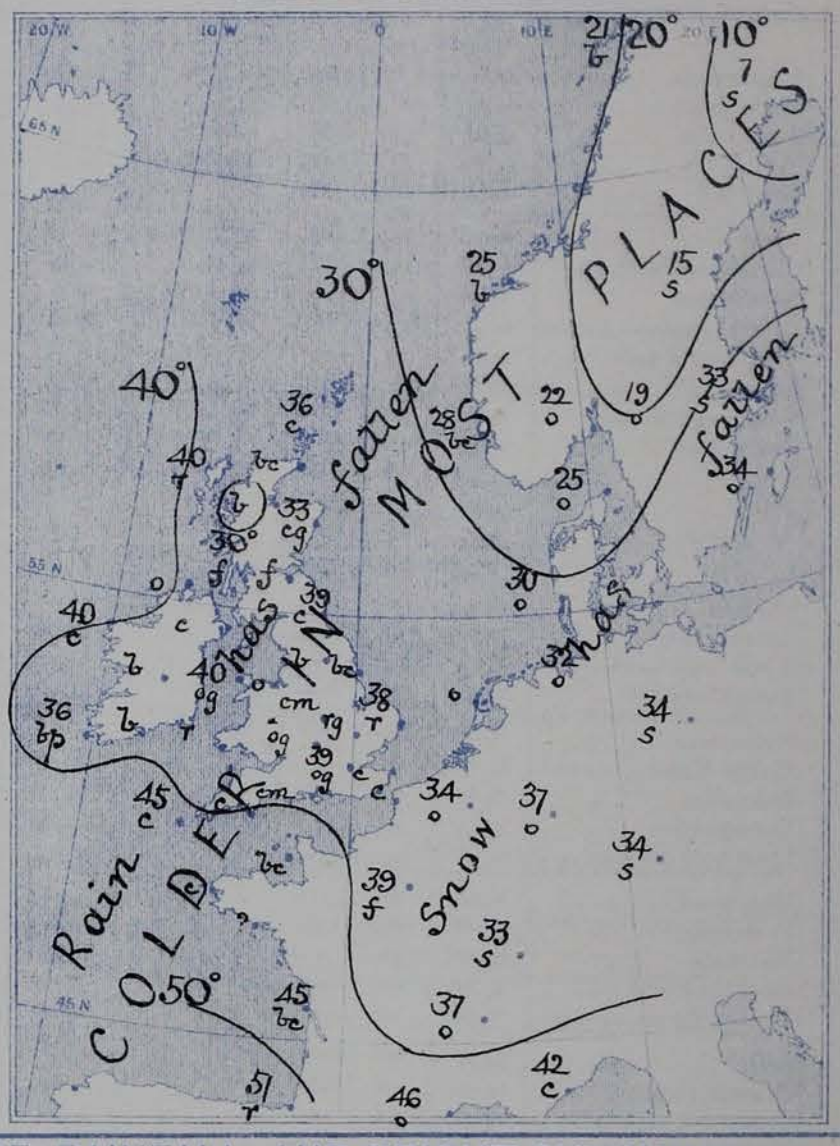
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone over Lapland.
Lowest 29.3 ins. and less in a well marked depression over Germany, 29.6 ins. and less in a shallow system off the northwest of Scotland.
Gradients moderate or slight generally, but rather steep over Sweden.
Barometer rising at all but the Swedish stations.

TEMPERATURE

Highest 51° at Biarritz, 46° at Brest and Perpignan, and 45° at Scilly, Jersey and Rochefort.
Lowest 7° at Haparanda, 15° at Hernösand, 19° at Faarder, and 21° at Bodö; lowest in our Islands 24° at Nairn, and 31° at Parsonstown.
Frost occurred last night over Scotland and central Ireland; at Nairn the sheltered thermometer fell to 22°.

WIND

Fresh to strong from the NE^wd. over Scandinavia, Denmark and N. Germany.
N^ly. or NW^ly. over England, the Netherlands and the greater part of France, and strong in force at the mouth of the Channel and over the Bay of Biscay.
Light from the W^wd. in Ireland, and from the SW^wd. or S^wd. in Scotland.

WEATHER

Fair over the United Kingdom as a whole, but rainy in the E. of England, as well as in the Hebrides, and showery on some parts of our southwest coasts.
Dull at most of the Continental stations, with rain at Biarritz, and snow in Sweden, Germany & the E. of France.
Rain fell yesterday in many parts of W^n. Europe, the amount being rather large at some of the French stations. Lunar halos were seen over England and Ireland.

SEA

High in the Bay of Biscay, and rather rough on the E. and SE. coasts of England as well as at Wick.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our southeast coasts yesterday has passed on to Germany, and has partially filled up. The barometer is at present rising in nearly all parts of our Islands, but the wind is inclined to back in the west so that it is not unlikely that further depressions are approaching our northwest coasts.

FORECASTS

For the 24 hours ending at NOON on 16TH DECEMBER 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly. winds, freshening, fair at first, some rain later.
2 ENGLAND N.E.	N^ly. to variable breezes, fair generally, but local fogs.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N^ly. to W^ly. winds, light, fair generally, but local fogs, frost at night.
6 SCOTLAND WEST 7 ENGLAND N.W.	Variable breezes finally SW^ly., fair at first, some rain later.
8 ENGLAND S.W.	NW^ly. to W^ly. winds, moderate or fresh, fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	W^ly. to SW^ly. or S^ly. winds, fair at first, some rain later.
WARNINGS	The warning signals were lowered yesterday on all coasts.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.75	34	31	ESE	6	b	4
Sumburgh Head	29.60	38	36	SE	4	o	6
Stornoway	29.48	42	40	SSE	4	o	4
Aberdeen	29.53	40	37	ESE	6	gqfhp	7
Shields	29.38	42	41	E	5	of	5
Ardrossan	29.43	39	39	NE	2	of	1
Malin Head ...	29.44	38	37	S	1	o	0
Belmullet	29.53	44	40	NNW	3	bc	*
Holyhead	29.40	43	40	N	3	o	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.58	44	40	N	4	c	5
Scilly	29.47	47	44	NW	8	c	6
Jersey	29.34	43	43	NW	5	rg	4
Hurst Castle ...	29.26	43	40	NNE	4	ow	2
Dungeness ...	29.08	42	41	NNE	4	o	3
North Foreland	29.13	42	40	W	5	o	5
London (Westminster)	29.22	43	40	ENE	3	o	#
Yarmouth ...	29.20	42	40	NE	5	c	5
Rochefort ...	29.52	51	48	NW	9	c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of Europe, with rain in the east of Scotland and also in the SE. of England and the neighbouring parts of the Continent; rain falling also in Italy. Snow reported at several of the Swedish, Russian and N. German stations, as well as at Buda Pesth. Fine and bright in the west of Norway, fair at many of our own western stations, but rainy at Parsonstown and Rock's Point. Rain falling later in most parts of western Europe—rather heavily in France. Lunar halos seen over England and Ireland.

Temperature fallen in Scandinavia and Nn. Russia, changed irregularly elsewhere. Morning readings highest 58° at Lisbon, 57° at Malta and Algiers, and 56° at Cagliari; above 50° at most of the Mediterranean and Spanish coast stations. Lowest −7° F. at Haparanda, −4° at Archangel, −1° at Ulecaborg and +5° at Kuopio. Considerably below the freezing point in Sweden and Russia generally, and slightly below it in many parts of central Europe. Daily maxima below 45° in all but the extreme Sn. and SWn. parts of the United Kingdom, and below 40° at some of the Scotch stations; thermometer exceeding 50° in the west and south of France, and reaching 61° at Perpignan. Frost occurring over Scotland and central Ireland at night.

Wind strong to a gale from the NWwd. in the southwest of our Islands, and from the Wwd. over the Bay of Biscay; light to moderate from the Swd. over central France, and from the SEwd. in the Netherlands. Fresh to strong from the NEwd. over England and the greater part of Nn. Europe; SEly. in the NE. of Scotland. Light to moderate from the SWwd. in south Germany, and also in Italy; Variable in Austria; Sly. or SEly. over the central and southern parts of Russia. Subsequently veering to the NWwd. over the Bay of Biscay and tending to moderate over our Islands and France generally.

Barometer highest 30.5 ins. and upwards in the extreme N. of Russia; 30.1 ins. and upwards in an anticyclone over the N. of Russia generally, and also in another system over Morocco and the Sn. parts of the Spanish Peninsula. Lowest 29.0 ins. and less in a well marked depression, with its centre situated between the Scottish and French coasts; gradients rather steep over France and the S. of England. Depression subsequently travelling on to Wn. Germany; barometer rising steadily in our Islands and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 16th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...														*		*			
	Hernösand ...	29.91	22	N	6	s	29.94	·00	19	17	+ 4	N	6	s	*	s	*	27	10	0.47
	Stockholm ...	29.60	31	NE	4	s	29.69	+ ·09	33	32	0	NE	2	o	*	s	*	33	21	0.39
	Wisby	29.53	34	SE	4	s	29.61	+ ·20	33	32	− 1	ENE	4	o	*	s	*	34	27	0.04
	Karlstad ...	29.63	22	NE	4	c	29.71	+ ·08	23	22	− 4	NE	2	s	*	c	*	*	*	0.12
	Bodö	30.14	21	ENE	5	b	30.12	+ ·06	19	16	− 2	ENE	5	b	2	b	*	21	16	—
	Christiansund ...	29.79	27	SE	5	b	29.80	+ ·02	27	25	+ 2	SE	2	bc	3	b	*	?	?	—
	Skudesnaes ...	29.72	27	L	0	b	29.72	+ ·01	29	28	+ 1	SE	2	b	2	b	*	32	25	*
	Færder (Christiania Fjord)	29.67	23	NE	6	s	29.75	+ ·04	24	23	+ 2	NE	6	o	3	s	*	24	21	0.04
	Skagen (The Scaw)	29.62	25	NE	3	o	29.67	+ ·02	27	26	+ 2	NE	4	o	1	o	*	28	25	0.08
	Fanö	29.69	27	NW	2	c	29.70	+ ·16	28	27	− 2	L	0	o	*	c	*	30	27	—
BRITISH ISLANDS.	Sumburgh Head	29.60	35	NW	1	s	29.59	− ·04	35	35	− 1	ENE	2	r	4	bc, s	*	37	31	0.11
	Stornoway ...	29.64	38	WNW	2	o	29.66	+ ·05	36	36	− 4	N	3	c	3	r, o	0.0	40	32	0.20
	Wick	29.58	26	W	1	b	29.57	− ·07	28	28	− 6	NW	2	bc	3	b	*	37	25	—
	Nairn	29.62	36	W	1	r	29.61	− ·05	35	33	+ 11	W	1	o	2	r, s	*	37	22	0.05
	Aberdeen ...	29.66	29	W	1	bc	29.63	− ·08	33	32	0	WSW	1	cg	2	b, bc	3.1	34	25	0.01
	Leith	29.71	37	SW	1	o	29.67	− ·03	33	33	− 3	WSW	3	cm	*	o	*	37	30	—
	Shields	29.73	36	L	0	cm	29.68	·00	32	32	− 7	SW	1	bm	2	cm, r	*	39	31	0.02
	Spurn Head ...	29.75	37	NW	4	bc	29.72	+ ·09	33	32	− 5	SW	2	b	3	hp, bc	*	39	32	—
	York	29.76	33	NNW	1	b	29.72	+ ·02	28	28	− 5	N	1	fzp	*	b	4.3	39	27	0.03
	Loughborough ...	29.80	31	WNW	1	bc	29.75	+ ·09	31	31	− 5	L	0	ors	*	bc, bm, o	*	40	27	—
	Ardrossan ...	29.70	37	L	0	of	29.70	·00	32	32	− 1	L	0	of	0	of	*	46	30	0.01
	Malin Head ...	29.71	40	W	3	bc	29.71	+ ·01	41	39	− 1	NW	3	c	2	bc	*	42	36	0.11
	Belmullet ...	29.81	41	NNW	3	or	29.82	+ ·02	39	38	− 1	NNW	2	c	*	bc, or	*	43	34	0.32
	Donaghadee ...	29.77	36	WSW	3	bc	29.72	+ ·02	32	32	− 4	WNW	3	b	1	bc	*	40	29	—
	Liverpool (Bidston)	29.79	35	SE	2	c	29.74	+ ·04	33	31	− 2	SE	1	bc	?	cg, p	*	38	31	0.05
	Holyhead ...	29.79	38	L	0	rgm	29.71	+ ·01	37	36	− 3	SE	1	rgm	0	gdf, gm	*	41	36	0.38
	Parsonstown ...	29.84	35	S	1	b	29.83	+ ·04	32	31	+ 1	NW	1	c	*	b, p	5.7	41	31	0.05
	Valencia ...	29.91	43	NNW	2	bc	29.87	− ·01	42	39	+ 6	NNW	5	cpq	5	cv, bc	4.3	46	34	0.11
	Roche's Point ..	29.89	40	WNW	3	b	29.79	− ·04	40	38	+ 3	NW	4	b	4	b	*	45	35	—
	Pembroke (St. Ann's Hd.)	29.84	43	NNW	4	b	29.72	·00	40	38	+ 1	N	3	bc	4	b	1.0	43	37	0.24
	Scilly	29.88	46	NNW	4	c	29.76	+ ·01	46	43	+ 1	NW	6	cp	4	c	5.6	47	41	0.10
	Prawle Point ...	29.84	38	NW	3	o	29.75	+ ·07	36	36	− 1	WNW	3	cp	2	cg, p	*	41	33	0.07
	Jersey (St. Aubin's)	29.83	43	NW	2	cg	29.79	+ ·14	41	40	− 4	WSW	3	cmp	3	bc, cg, r	*	46	34	0.46
	Hurst Castle ...	29.80	35	NNW	1	b	29.74	+ ·11	39	38	− 1	NE	2	c	1	cm, b	*	43	32	—
	Dungeness ...	29.76	33	NNW	2	b	29.76	+ ·25	39	38	+ 2	NW	3	o	2	bc, b, f	*	41	28	—
	North Foreland	29.76	38	N	3	b	29.78	+ ·25	35	33	− 5	S	2	c	2	c, b	*	42	30	—
	London (Brixton) ...	29.79	36	NNW	1	bf	29.77	+ ·16	34	33	− 5	SW	1	cm	*	org, b	0.1	40	29	0.01
	Oxford	29.84	32	WSW	2	b	29.76	+ ·12	30	30	− 7	L	0	f	*	o, b	*	42	29	—
	Cambridge ...	29.79	31	N	1	b	29.77	+ ·14	32	31	− 5	SSW	1	f	*	s, b	4.1	40	26	0.03
	Yarmouth ...	29.71	36	NW	3	bc	29.76	+ ·20	30	29	− 8	SW	2	bcm	3	bc	*	39	28	—
GERMANY & HOLLAND.	Cuxhaven ...	29.57	32	NNE	3	o	29.74	+ ·32	30	30	− 2	SSW	1	m	*	s, o	*	36	27	0.04
	Berlin	29.54	33	NNW	6	s	29.76	+ ·43	29	27	− 5	NW	3	o	*	s	*	34	27	0.08
	Wiesbaden ...	*	*	*	*	*	29.89	+ ·61	33	31	− 4	W	2	o	*	*	*	37	32	—
	Munich	29.50	31	W	6	s	29.87	+ ·54	29	28	− 5	W	4	s	*	s	*	36	28	0.08
	The Helder ...	29.71	34	N	1	s	29.77	+ ·28	25	24	− 12	SSW	1	bc	1	s	*	37	23	0.08
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	29.86	+ ·38	31	31	− 3	SE	1	s	*	s	*	35	30	0.04
	Cape Gris Nez ...	29.73	38	NNE	4	b	29.78	+ ·29	36	36	− 4	S	1	o	1	b	*	43	34	0.16
	Paris	29.80	38	N	2	r	29.90	+ ·38	30	30	− 9	S	1	m	*	r	*	42	29	0.04
	Brest	29.94	45	NNW	4	c	29.86	+ ·14	46	44	0	NW	4	bc	4	c	*	50	37	0.08
	Lorient	29.85	48	NNW	6	c	29.87	+ ·14	46	46	+ 2	WNW	6	c	5	c	*	50	43	—
	Rochefort ...	29.86	47	NNW	5	b	29.93	+ ·24	41	41	− 4	?W	1	o	*	c, b	*	50	37	—
	Belfort	29.69	32	WSW	3	m	29.88	+ ·30	30	29	− 3	SW	2	m	*	m	*	38	30	—
	Lyons	29.78	37	WNW	3	r	29.94	+ ·35	35	33	− 2	NNW	2	c	*	r	*	42	32	0.46
	Nice	29.42	44	N	4	b	29.66	+ ·30	40	?31	− 2	NE	4	bc	2	b	*	48	39	—
	Perpignan ...	29.86	45	NW	4	b	29.99	+ ·27	43	39	− 3	NW	3	b	*	b	*	53	?41	0.46
	Biarritz ...	29.97	50	NW	8	r	30.05	+ ·22	46	45	− 5	WSW	5	r	5	rh	*	54	45	0.28
PENINSULA.	Corunna ...																*			
	Lisbon ... ... †	30.25	50	NNW	3	b	30.22	+ ·06	46	45	− 8	ENE	1	o	*	b	*	57	46	—
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

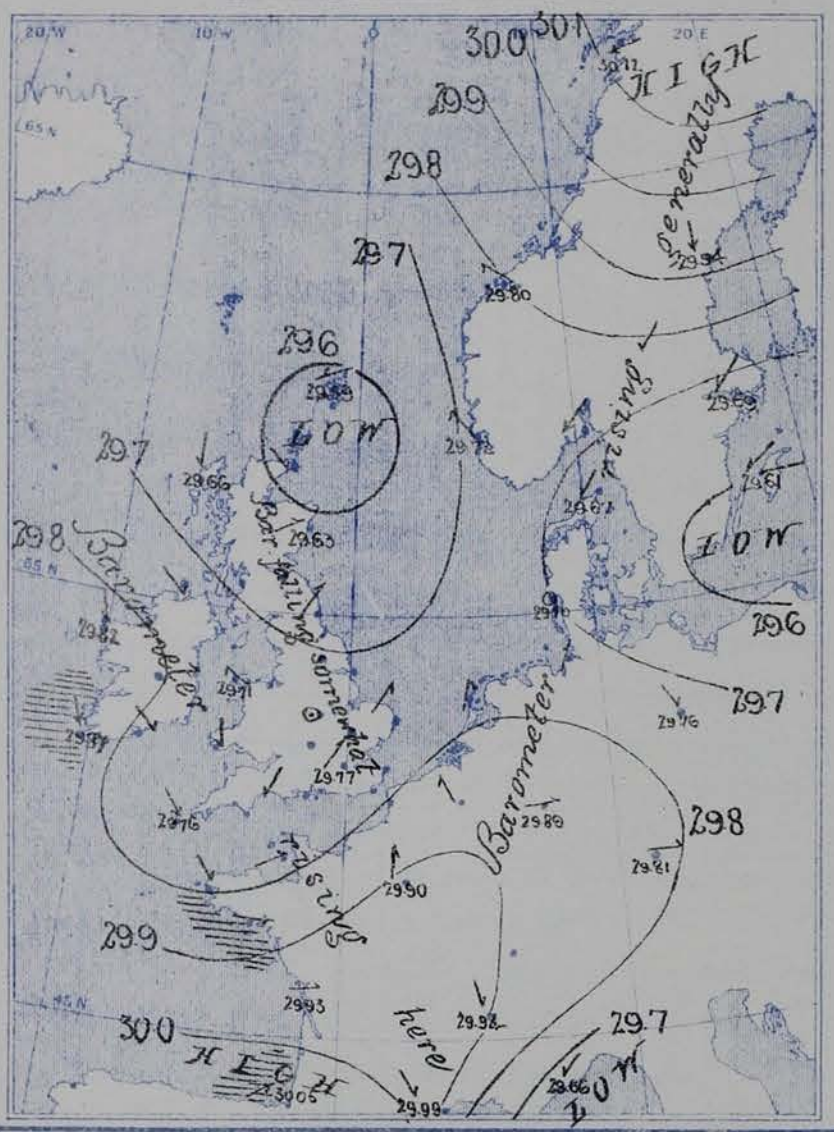
Bright Sunshine yesterday Southport 0.0 hrs; Brighton 2.2 hrs; Hastings 3.4 hrs; Eastbourne 3.0 hrs.

WEATHER CHARTS

FOR WEDNESDAY, 16TH DECEMBER, 1896.

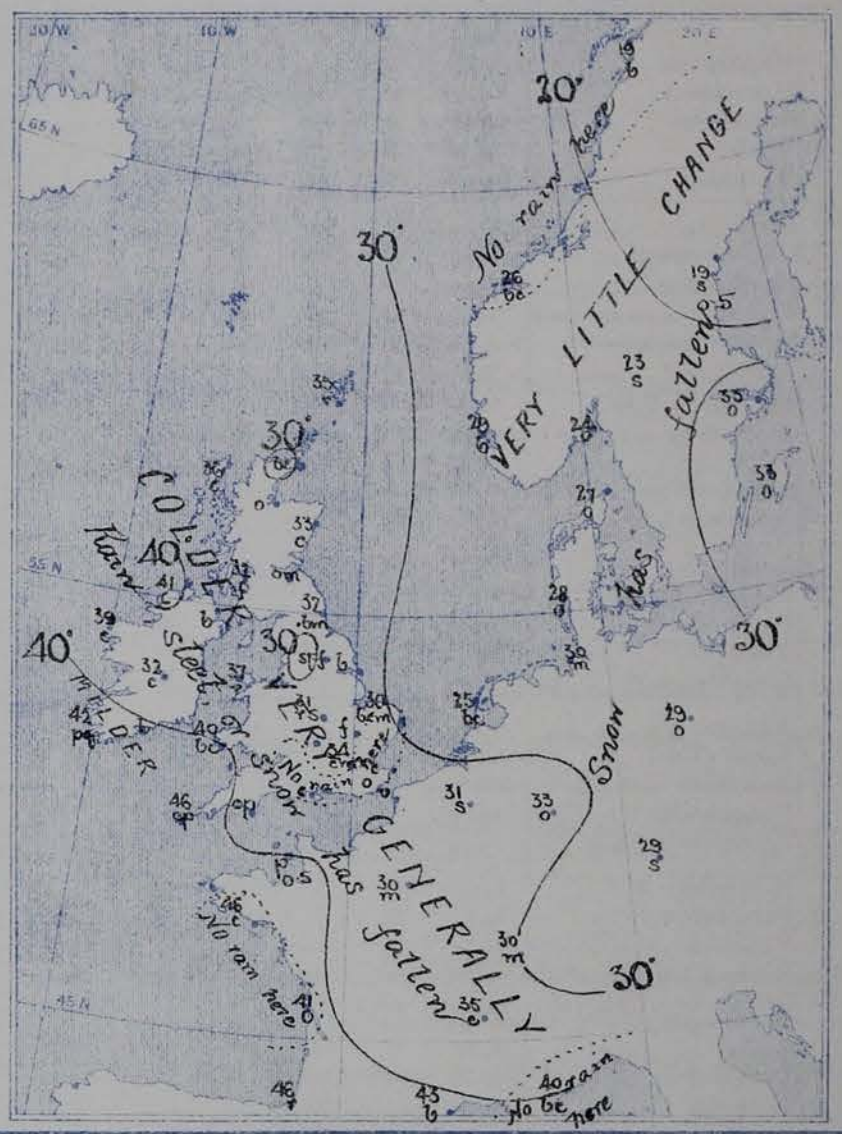
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 0	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 41	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.1 ins. and upwards in the N. of Scandinavia, 30.0 ins. and upwards over the Spanish peninsula and the southwest of France.
Lowest 29.6 ins. and less in two shallow depressions, — one lying off the N. of Scotland, and the other over the Baltic; 29.7 ins. and less in another system over the Gulf of Genoa.
Gradients slight. Barometer falling a little in many parts of Gt. Britain, but rising elsewhere.

TEMPERATURE — Highest 46° at Scilly, Brest, Lorient and Biarritz, 43° at Perpignan, and 42° at Valencia (Ireland)
Lowest 19° at Bodö and Hernösand, 23° at Karlstad and 24° at Faender, lowest in our Islands, 28° at Wick & York
Frost occurred last night over the greater part of the United Kingdom, the lowest readings reported being:— (1) In the screen 22° at Nairn, 25° at Wick, and 27 at Cambridge; (2) on the grass 20° at Loughborough.

WIND — NW^ly over Ireland and the SW. of England, and strong in force at the mouth of the Channel.
Moderate to fresh from the W^ly in the W. of France; light from the SW^ly in the eastern parts of Gt. Britain, W^ly in Germany; NE^ly in Sweden; E^ly or SE^ly in the west of Norway.

WEATHER — Fine at most of the Irish stations and also on the east coasts of England, and the west coasts of Norway.
Cloudy or dull in nearly all other parts of our area, with rain at Dumbrugh Hd. and Holyhead, passing showers on our southwest coasts and fog, sleet and snow over central England. Snow was also falling at Brussels and Munich, as well as at several of the Swedish stations.
Since yesterday morning rain, sleet or snow has fallen in many parts of W^rn Europe, the largest amount being 0.5 in. at Jersey and Hernösand. A solar halo was seen yesterday at Jersey.

SEA — Slight or smooth generally, but rather rough at Valencia (Ireland) and also in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the depression noticed above there are indications of the presence over our Islands of several small and very shallow disturbances. These are likely to occasion variable breezes, with cold rain or sleet in many places.

FORECASTS

For the 24 hours ending at NOON on 17th DECEMBER 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N^ly winds, light, changeable, some snow showers.
1 SCOTLAND EAST	W^ly to NW^ly winds, light, changeable, some snowshowers.
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	Light and somewhat variable breezes, cold, local fogs, some snow or sleet.
6 SCOTLAND WEST	Variable breezes, finally NW^ly; unsettled, some cold rain or sleet.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NW^ly and N^ly winds, light or moderate, changeable, some cold showers.
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ..	29.73	32	28	E	2	bc	2
Sumburgh Head	29.60	35	34	NW	1	bc	4
Stornoway	29.65	37	37	NW	3	r	3
Aberdeen	29.67	32	31	W	1	b	3
Shields	29.73	37	36	W	1	c	4
Ardrossan	29.70	37	37	SSE	1	o	1
Malin Head ...	29.72	42	39	W	3	bc	1
Belmullet	29.82	43	42	WNW	3	bc	*
Holyhead	29.75	41	39	SW	1	ogdf	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.90	46	42	W	3	cv	4
Scilly	29.84	47	44	WNW	5	c	4
Jersey	29.77	46	43	NNW	3	bc	3
Hurst Castle ...	29.75	42	39	WNW	3	cm	2
Dungeness ...	29.66	41	40	N	4	bc	3
North Foreland	29.70	40	39	N	4	c	4
London (Westminster)	29.73	40	36	N	2	c	*
Yarmouth ...	29.66	39	36	NNE	3	bc	5
Rochefort ...	29.77	48	46	NNW	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fair over the United Kingdom as a whole, but rainy in the east of England, and also in the Hebrides; showery on some parts of our southwest coasts. Dull and unsettled over the greater part of the Continent, with snow or cold rain at many of the northern and central stations; rain falling also in the extreme south of France and at Lesina. Fine over the Spanish peninsula. Rain, sleet or snow falling later in most of the western countries; Solar halo seen at Jersey in afternoon.

Temperature fallen in most countries, but risen in Ireland and the south of Sweden, as well as in Italy and Austria. Morning readings highest 61° at Malta, and 60° at Oran and Algiers; above 50° at the Mediterranean and Spanish coast stations generally. Lowest −14° at Archangel, +5° at Knopio, 7° at Haparanda, and 8° at Uleaborg; considerably below the freezing point over N. Europe generally, as well as in central Scotland; slightly below it in central Ireland. Daily maxima below 40° at most of our own N. and E. stations, and exceeding 45° on our extreme southwest coasts only; reaching 50° or more in the west and south of France. Sharp frost occurring over our Islands at night.

Wind E. over northern and central Russia, with a gale in the Gulf of Finland; strong from the NE. or N. over Sweden and Denmark; N. or NW. over England, Ireland, France and the Spanish peninsula, and strong in force over the Bay of Biscay. W. or SW. over Italy and S. Germany; S. or SE. in the south of Russia. Light from the S. or SW. in Scotland and from the SE. in the west of Norway. Subsequently veering to the NW. in Scotland; no important change occurring elsewhere.

Barometer highest 30.5 ins. and upwards in the extreme N. of Russia; 30.1 ins. and upwards in an anticyclone covering the N. parts of Russia and Scandinavia generally and also in another system lying off the Portuguese coasts. Lowest 29.3 ins. to 29.2 ins. and less in a rather complex depression lying over Germany and Austria; 29.6 ins. and less in a shallow disturbance off the NW. of Scotland. Scotch depression moving NE. to the neighbourhood of the Shetlands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning, m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 17th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·14	14	NE	2	o	29·94		19	18		NE	2	o	*	o	*	19	3	–
	Hernösand ...	29·86	21	NW	6	o	29·64	−·30	22	21	+ 3	NW	6	s	*	o	*	23	16	0·08
	Stockholm ...	29·52	26	NE	4	s	29·34	−·35	24	24	− 9	NNE	4	s	*	s	*	34	24	0·43
	Wisby	29·38	32	NNE	9	s	29·24	−·37	31	30	− 2	N	8	s	*	s	*	34	28	0·67
	Karlstad ..	29·72	22	NNW	4	s	29·53	−·18	19	19	− 4	NW	6	s	*	s	*	*	*	0·24
	Bodö	30·04	20	E	4	b	29·87	−·25	21	17	+ 2	E	4	b	1	b	*	21	16	–
	Christiansund ...	29·79	26	ESE	4	b	29·78	−·02	25	23	− 2	ESE	1	b	3	b	*	27	?	–
	Skudesnaes ...	29·77	30	7	o	c	29·69	−·03	27	26	− 2	ENE	2	b	2	c	*	31	25	*
	Færder (Christiania Fjord)	29·76	25	NE	6	o	29·60	−·15	24	24	0	N	6	s	3	o	*	25	23	0·04
	Skagen (The Scaw)	29·69	30	NE	2	o	29·59	−·08	29	27	+ 2	NNE	5	o	2	o	*	30	25	–
	Fanö	29·69	20	NE	2	b	29·64	−·06	9	9	− 19	7	0	f	*	b	*	34	7	0·39
	Sumburgh Head	29·66	36	ENE	4	o	29·61	+·02	33	33	− 2	NNE	3	s	4	o s p, o	*	37	31	0·28
	Stornoway ...	29·66	35	NNW	2	p	29·70	+·04	36	36	0	N	3	c	3	r s p. p	1·5	37	32	0·26
	Wick	29·57	30	W	2	bc	29·60	+·03	35	34	+ 7	E	3	o	4	bc, sp, r	*	38	26	0·10
	Nairn	29·60	34	W	1	bc	29·62	+·01	37	35	+ 2	ESE	3	o	2	bc, s	*	39	31	0·27
	Aberdeen ...	29·61	34	NW	2	crsp	29·58	−·05	34	32	+ 1	N	3	c	5	crsph	0·0	37	32	0·16
BRITISH ISLANDS.	Leith	29·64	35	W	2	b	29·53	−·14	36	35	+ 3	NNE	4	os	*	b, s	*	37	31	?
	Shields	29·65	34	W	2	b	29·50	−·18	31	30	− 1	WSW	2	c	2	bc, rs	*	38	30	0·01
	Spurn Head ...	29·71	31	WSW	2	f	29·55	−·17	33	33	0	SW	3	c	3	f, s	*	34	29	0·01
	York	29·70	27	7	o	f	29·55	−·17	33	33	+ 5	S	1	of	*	f	0·4	35	26	0·01
	Loughborough ...	29·75	30	SW	1	f	29·63	−·12	31	31	0	SW	1	c	*	as f, o, c	*	33	27	0·01
	Ardrossan ...	29·66	37	N	1	b	29·57	−·13	33	33	+ 1	7	0	bcf	0	bc, b	*	40	31	–
	Malin Head ...	29·71	40	NW	5	cpq	29·63	−·08	41	39	0	N	4	bc	3	cpq	*	42	37	0·05
	Belmullet ...	29·85	41	NNW	2	bcp	29·73	−·09	39	37	0	NNE	1	c	*	b, bcp	*	44	34	0·13
	Donaghadee ...	29·74	37	WNW	3	c	29·60	−·12	34	34	+ 2	WNW	4	c	2	c	*	39	30	0·02
	Liverpool (Bidston)	29·74	35	SSW	1	r	29·59	−·15	34	34	+ 1	W	3	s	3	fr, ths	*	40	31	0·16
	Holyhead ...	29·74	40	NW	2	cp	29·61	−·10	39	37	+ 2	WNW	4	c	3	cp	*	41	36	0·09
	Parsonstown ...	29·81	35	7	o	b	29·68	−·15	30	30	− 2	7	0	c	*	b	2·9	39	30	–
	Valencia ...	29·87	42	N	1	b	29·72	−·15	33	32	− 9	ENE	1	b	3	bcp, b	4·9	46	31	0·11
	Roche's Point ..	29·83	40	N	2	b	29·75	−·04	34	33	− 6	NNE	3	b	3	b	*	43	32	–
	Pembroke (St. Ann's Hd.)	29·77	41	NW	3	bc	29·68	−·04	42	38	+ 2	NW	4	c	4	bc	2·3	42	38	–
	Scilly	29·79	46	NNW	5	c	29·72	−·04	41	39	− 5	ESE	1	c	3	c	8·0	47	38	0·02
	Prawle Point ...	29·77	33	NNW	2	c	29·72	−·03	36	34	0	WNW	3	c	2	sp, c	*	41	30	0·14
	Jersey (St. Aubin's)	29·71	40	NW	2	ovc	29·74	−·05	38	38	− 3	NW	2	cf	2	ovc, f	*	43	37	0·68
	Hurst Castle ...	29·71	35	NNE	2	cw	29·71	−·03	30	29	− 9	WNW	1	cf	1	d, ovc, f	*	40	27	0·05
	Dungeness ...	29·71	35	W	2	bc	29·69	−·07	29	29	− 10	NNW	1	f	0	c, bc	*	41	25	–
	North Foreland	29·74	35	NW	1	bw	29·70	−·08	28	27	− 7	SW	1	f	1	c, bw	*	42	27	–
	London (Brixton) ...	29·75	33	7	o	of	29·69	−·08	27	26	− 7	7	0	ovc	*	fg, b	0·0	35	25	–
	Oxford	29·77	27	SW	1	f	29·68	−·08	32	31	+ 2	SW	2	ogw	*	f	*	32	25	–
	Cambridge ...	29·75	33	WNW	1	ovc	29·66	−·11	30	30	− 2	SW	2	ovc	*	ovc	0·1	36	27	–
	Yarmouth ...	29·71	34	NW	1	bcw	29·64	−·12	31	30	+ 1	SW	3	bcf	3	bc, bcw	*	36	28	–
GERMANY & HOLLAND.	Cuxhaven ...	29·69	28	SW	4	c	29·64	−·10	30	30	0	SSW	2	o	*	c	*	34	28	0·04
	Berlin	29·80	29	WSW	2	c	29·74	−·02	22	21	− 7	SW	3	o	*	c	*	30	19	–
	Wiesbaden ...	*	*	*	*	*	29·78	−·11	31	31	− 2	N	1	o	*	*	*	36	30	0·04
	Munich... ..	29·89	27	SW	4	c	29·76	−·05	13	12	− 16	SSE	3	b	*	c	*	30	12	0·04
	The Helder ...	29·74	31	S	2	m	29·64	−·13	36	34	+ 11	SW	1	bc	1	m	*	36	25	0·12
BELGIUM.	Brussels ...	*	*	*	*	*	29·76	−·10	33	32	+ 2	SW	1	o	*	o	*	37	31	–
	Cape Gris Nez ..	29·71	35	S	1	o	29·69	−·09	36	29	0	SW	2	o	2	o	*	39	32	0·04
	Paris	29·76	35	SE	2	r	29·75	−·15	35	34	+ 5	N	1	f	*	r	*	36	30	–
	Brest	29·79	45	N	3	c	29·75	−·11	40	38	− 6	NE	2	c	3	c	*	48	36	0·08
	Lorient... ...	29·76	45	NW	5	bc	29·78	−·09	39	38	− 7	E	1	bc	3	bc	*	46	36	–
FRANCE &	Rochefort ...	29·78	46	NW	5	r	29·78	−·15	37	37	− 4	NE	2	b	*	os	*	48	36	0·20
	Belfort	29·89	30	7	o	c	29·75	−·13	27	27	− 3	ENE	3	s	*	c	*	34	26	–
	Lyons	29·95	35	S	2	r	29·80	−·14	34	33	− 1	S	1	o	*	rs	*	39	32	0·08
	Nice	29·81	41	NNE	4	b	29·79	+·13	37	?	− 3	SW	1	c	2	b	*	48	36	–
	Perpignan ...	29·98	45	SW	1	o	29·86	−·13	32	30	− 11	7	0	b	*	o	*	54	31	–
	Biarritz ...	29·97	51	W	5	r	29·79	−·26	46	42	0	S	3	o	4	r	*	52	45	0·16
PENINSULA.	Corunna ...																*			
	Lisbon	30·06	56	SW	4	o	29·99	−·23	56	55	+ 10	SW	5	o	*	o	*	57	46	0·20
	Azores (P. Delgada)	30·12	59	NW	5	b	30·17	+·07	58	55	− 4	NW	3	bc	2	b	*	64	55	–

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

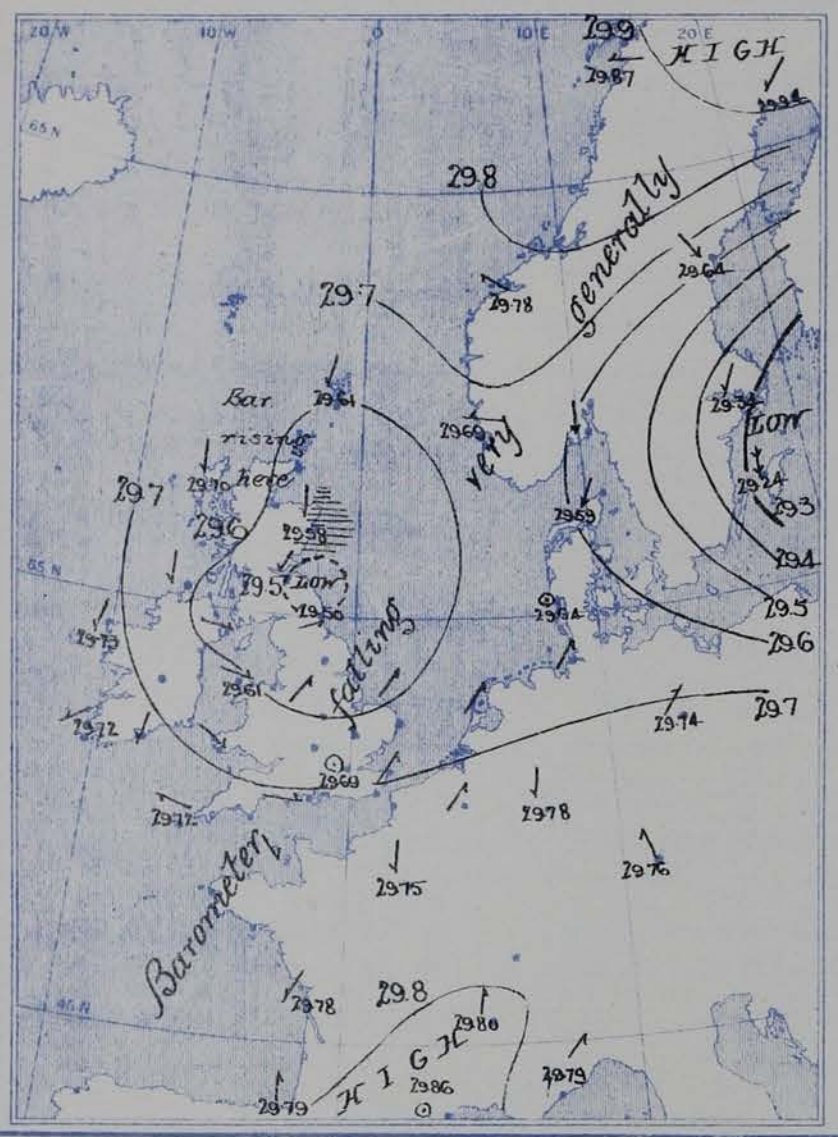
Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 2·3 hrs; Eastbourne 0·4 hrs.

WEATHER CHARTS

FOR THURSDAY, 17TH DECEMBER, 1896.

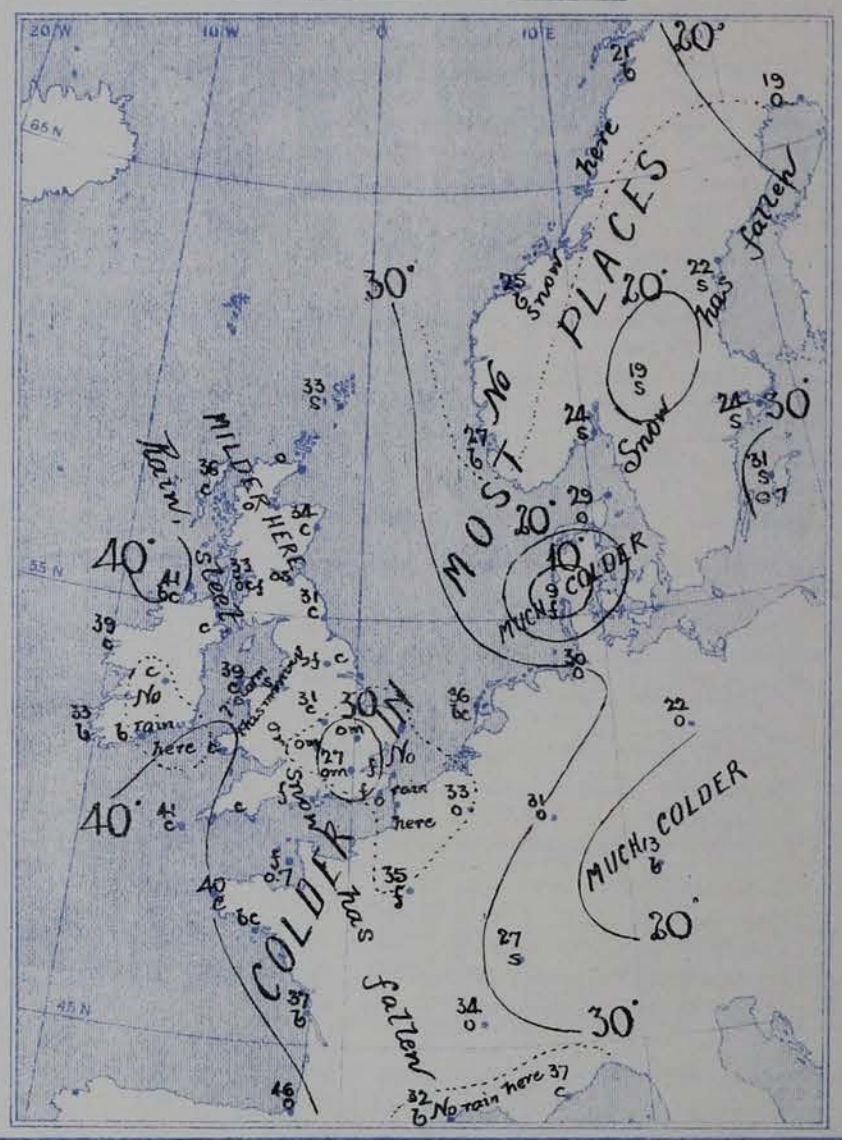
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58*	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·0	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.9 ins. and upwards over the S.rn parts of the Spanish peninsula & also over Lapland.
Lowest 29.3 ins. and less in a well marked depression over the N.rn parts of the Baltic; 29.5 ins. and less in a small shallow system off the Northumberland coast.
Gradients slight generally, but moderate over Sweden and the Baltic.
Barometer falling at all but the northern Scotch stations.

TEMPERATURE

Highest 56° at Lisbon, 46° at Biarritz, 42° at Pembroke and 41° at Malin H.d and Scilly.
Lowest 9° at Fano, 13° at Munich, 19° at Haparanda and Karlstad, and 21° at Bodö; the lowest in our Islands 27° in London, and 28° at the North Foreland.
Frost occurred last night over the greater part of the United Kingdom, the lowest readings reported being 24° at York, and 25° at Dungeness, London and Oxford.

WIND

Light to moderate from between N. and E. in Scotland, and from the N.wd or NW.wd on our western and southern coasts.
Light from the SW.wd over the eastern and central parts of England, and also over the Netherlands.
Strong from the N.wd in Sweden, with a gale at Wisby, light to moderate from the E.wd in the w. of Germany of Norway; light from between S. and E. in the west of France.

WEATHER

Fine at most of our own western stations, and also on the west coasts of France and Norway.
Cloudy or dull in all other parts of W.rn Europe, with fog at many of the English stations; snow was falling at Stornoway H.d and Liverpool, as well as over the greater part of Sweden.
Snow fell yesterday over the N.rn parts of Gt. Britain, and rain at several of our S.rn and the French stations. A thunderstorm occurred at Liverpool early this morning.

SEA

Slight or smooth generally, but rather rough at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our NE. coasts is becoming more clearly defined, and is at the same time moving S.wds, snow is probable in many districts, with freshening N.ly winds on our W.rn and N.rn coasts.

FORECASTS

For the 24 hours ending at NOON on 18TH DECEMBER 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	N.ly and NE.ly winds, freshening; unsettled, some snow.
2 ENGLAND N.E.	SW.ly to variable breezes; unsettled, some snow.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW.ly to W.ly winds, light or moderate, cloudy, misty or foggy at first, some snow later.
6 SCOTLAND WEST	N.ly winds, freshening; unsettled, snow showers.
7 ENGLAND N.W. 8 ENGLAND S.W.	NW.ly winds, freshening; unsettled, some snow showers.
9 IRELAND NORTH 10 IRELAND SOUTH	N.ly winds, freshening; fine at first, some cold showers later.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.77	31	31	Z	0	c	3	Valencia	29.87	46	43	NNW	2	bcp	4
Sumburgh Head	29.61	35	34	ENE	3	osp	4	Scilly	29.77	46	43	NNW	5	c	4
Stornoway	29.66	35	34	NNW	3	c	2	Jersey	29.69	41	40	NW	1	r	1
Aberdeen	29.62	36	34	W	2	c	2	Hurst Castle ...	29.71	38	37	NE	2	oma	1
Shields	29.67	36	35	W	2	bc	2	Dungeness ...	29.71	41	40	SSW	3	c	2
Ardrossan	29.68	40	40	NW	3	bc	1	North Foreland	29.74	39	39	S	2	c	2
Malin Head ...	29.72	42	40	NW	5	c	3	London (Westminster)	29.73	37	35	L	0	ofg	*
Belmullet	29.84	42	40	NNE	2	b	*	Yarmouth ..	29.73	36	34	WSW	2	bc	3
Holyhead	29.74	40	39	NNW	3	p	2	Rochefort ...	29.87	46	45	WSW	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine at most of the Irish stations, and also on the E. coasts of England. Fine also in Spain and the extreme S. of France, but dull in nearly all other parts of Europe, with passing showers on our own SW. coasts, and fog and sleet over central England. Rain falling in the extreme S. of Russia and at Constantinople, and snow in many parts of Sweden, Germany and N^rn Russia. Snow showers falling later over the N^rn parts of our Islands generally, and rain at some of our S^rn and the French stations.

Temperature fallen in the W^rn, central and S^rn countries generally. Morning readings highest 62° at Athens, 58° at Malta, and 57° at Nemours; above 50° at several of the Mediterranean stations. Lowest 4° at Archangel, 12° at Ulealong, and 15° at Moscow, below the freezing point over the N^rn and central parts of our Islands and the Continent generally. Daily maxima below 35° at some of the English stations, and as low as 32° at Oxford. Thermometer exceeding 45° on our extreme SW. coasts, and exceeding 50° in the S. of France.

Wind light to moderate from the NW^rd in the W. of our Islands, and fresh from the W^rd over the Bay of Biscay; light from the SW^rd in the E^rn parts of Gt. Britain, and from the SE^rd in the W. of Norway. E^ly or SE. over N^rn and central Russia, NE^ly in Sweden, NW^ly in Germany and Austria, as well as at some of the Italian stations; E^ly on the Portuguese coasts. Subsequently veering to the NW^rd in the E^rn parts of Gt. Britain. No important change occurring elsewhere.

Barometer 30.6 ins. and upwards in the extreme N. of Russia; 30.2 ins. and upwards in an anticyclone lying over N^rn Russia generally, and also in another system over the Spanish peninsula. Lowest 29.4 ins. and less in two depressions,—one lying over the Adriatic, and in the other near Kiew; 29.6 ins. and less in a shallow system off the NE. of Scotland. Scotch depression subsequently moving slowly southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 18th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather	Hours of Bright Sunshine.	Temp. Max	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...	29.69	14	NE	2	s	29.63	− ·31	13	13	− 6	ENE	2	o	*	s	*	19	12	0·12
	Hernösand ...	29.55	31	NW	6	s	29.53	− ·11	19	18	− 3	NW	4	o	*	s	*	31	19	0·12
	Stockholm ...	29.52	27	N	2	o	29.44	+ ·10	21	20	− 3	WNW	2	o	*	o	*	28	21	0·16
	Wisby	29.37	28	NW	6	s	29.51	+ ·27	27	26	− 4	NW	6	o	*	s	*	31	23	0·20
	Karlstad ...	29.54	21	N	2	s	29.56	+ ·03	19	18	0	NW	2	s	*	s	*	*	*	0·20
	Bodö	29.76	19	E	2	b	29.61	− ·26	22	18	+ 1	E	2	c	1	b	*	22	16	—
	Christiansund ...	29.74	28	ESE	2	bc	29.63	− ·15	32	31	+ 7	W	1	s	3	bc	*	32	23	—
	Skudesnaes ...	29.61	31	Z	0	o	29.54	− ·15	36	34	+ 9	SE	4	o	3	o	*	36	25	*
	Færder (Christiania Fjord)	29.60	26	NE	3	o	29.57	− ·03	25	24	+ 4	NE	2	o	1	o	*	26	24	0·04
	Skagen (The Scaw)	29.58	27	NE	1	s	29.58	− ·01	27	26	− 2	NNE	1	o	0	s	*	30	25	0·24
	Fanö	29.60	29	SE	2	s	29.53	− ·11	31	30	+ 22	Z	o	c	*	s	*	31	9	—
BRITISH ISLANDS	Sumburgh Head	29.61	35	E	3	s	29.69	+ ·08	35	34	+ 2	NE	2	r	4	bc, s	*	36	29	0·15
	Stornoway ..	29.62	35	N	3	o	29.77	+ ·07	30	30	− 6	WNW	2	bc	2	srp, c, o	1·2	36	27	0·15
	Wick	29.55	29	S	4	c	29.67	+ ·07	35	35	0	NW	3	c	3	sp, c	*	37	27	0·06
	Nairn	29.57	32	Z	0	o	29.72	+ ·10	30	29	− 7	NW	2	c	1	o	*	37	24	0·02
	Aberdeen ...	29.58	33	WNW	3	c	29.69	+ ·11	32	31	− 2	NW	5	cgq	3	gs, bc, s	0·9	35	30	0·15
	Leith	29.55	35	NNE	3	bc	29.68	+ ·15	36	33	0	N	3	bc	*	bc	*	39	32	0·06
	Shields	29.43	35	W	3	rsp	29.58	+ ·08	37	37	+ 6	NE	3	rhp	4	cm, s, rs	*	40	31	0·20
	Spurn Head ...	29.47	33	WSW	3	bm	29.52	− ·03	35	34	+ 2	SSE	1	cm, sp	2	bm, sp	*	35	31	0·03
	York	29.47	32	WNW	1	o	29.57	+ ·02	31	31	− 2	NNW	1	c	*	b, o	2·3	38	28	0·01
	Loughborough ...	29.53	32	Z	o	b	29.53	− ·10	32	32	+ 1	NW	1	ogsp	*	c, b, r, b, o	*	37	30	—
	Ardrossan ...	29.57	34	NW	1	bf	29.68	+ ·11	31	31	− 2	NW	1	bcf	0	bcf, bf	*	38	31	—
	Malin Head ...	29.62	39	N	5	chq	29.70	+ ·07	33	32	− 8	S	1	bc	0	bc, chq	*	41	32	0·02
	Belmullet ...	29.68	38	ENE	2	b	29.71	− ·02	33	32	− 6	NE	1	o	*	b	*	43	30	—
	Donaghadee .	29.60	38	NNE	5	bc	29.66	+ ·06	37	36	+ 3	NE	6	c	4	bc	*	40	34	0·01
	Liverpool (Bidston)	29.54	35	NNW	2	b	29.59	·00	32	31	− 2	N	1	bc	2	hp, b	*	38	32	0·17
	Holyhead ...	29.56	40	N	3	chp	29.59	− ·02	39	37	0	NNE	4	chq	3	chp	*	42	36	0·25
	Parsonstown ...	29.64	30	Z	o	b	29.70	+ ·02	22	22	− 8	Z	o	o	*	b	4·2	37	21	—
	Valencia ...	29.64	36	ENE	1	b	29.71	− ·01	30	28	− 3	NNE	1	b	2	bp, b	6·4	42	28	—
	Roche's Point ..	29.63	34	NNE	3	b	29.66	− ·09	33	32	− 1	NNW	3	b	3	b	*	41	31	—
	Pembroke (St. Ann's Hd.)	29.58	36	N	3	b	29.57	− ·11	36	33	− 6	E	3	b	3	b	1·0	42	33	0·10
	Scilly	29.54	44	NNW	3	c	29.52	− ·20	43	40	+ 2	NNE	5	c	3	c	3·0	47	39	—
	Prawle Point .	29.58	37	WNW	2	c	29.53	− ·19	30	29	− 6	N	3	c	2	c	*	45	29	—
	Jersey (St. Aubin's)	29.61	42	WNW	2	bc	29.49	− ·25	34	34	− 4	Z	o	bmw	0	bc, pbr	*	47	[illegible]	0·05
	Hurst Castle ...	29.57	35	WNW	1	bm	29.53	− ·18	31	30	+ 1	NNE	2	om	2	bm, bm, f	*	42	[illegible]	—
	Dungeness ...	29.58	33	WSW	1	o	29.50	− ·19	31	31	+ 2	NW	2	f	1	c, o	*	41	24	0·01
	North Foreland	29.61	33	SW	2	b	29.54	− ·16	34	33	+ 6	W	3	o	2	b	*	37	26	—
	London (Brixton) ...	29.58	33	SW	1	bc	29.54	− ·15	30	29	+ 3	W	1	o	*	ogm, bc, sp	0·0	33	27	—
	Oxford	29.55	33	WSW	3	c	29.54	− ·14	28	27	− 4	SW	1	of	*	osp, b	*	37	26	0·04
	Cambridge ...	29.55	33	SW	1	o	29.53	− ·13	31	31	+ 1	SW	1	omg	*	s, o	0·0	35	29	0·01
	Yarmouth ...	29.54	34	SW	1	os	29.52	− ·12	32	31	+ 1	WNW	2	cf	3	bc, os	*	36	29	0·05
GERMANY & HOLLAND.	Cuxhaven ...	29.62	32	SSW	2	o	29.59	− ·07	24	24	− 6	SSW	1	b	*	o	*	34	23	—
	Berlin	29.76	23	SW	1	b	29.73	− ·01	16	15	− 6	SE	2	b	*	b	*	30	14	—
	Wiesbaden ...	*	*	*	*	*	29.63	− ·15	29	28	− 2	Z	o	o	*	*	*	32	21	—
	Munich	29.76	24	SE	2	bc	29.65	− ·11	15	14	+ 2	SSE	3	bc	*	bc	*	27	12	—
	The Helder ...	29.80	34	S	2	bc	29.34	− ·10	31	31	− 5	S	1	c	1	bc	*	37	31	0·16
BELGIUM.	Brussels ...	*	*	*	*	*	29.58	− ·18	30	30	− 3	ESE	1	bc	*	b	*	35	28	—
	Cape Gris Nez ...	29.60	33	S	3	s	29.50	− ·19	31	31	− 5	SE	1	s	1	s	*	39	30	0·16
	Paris	29.70	35	SE	1	o	29.52	− ·23	32	31	− 3	NE	1	f	*	o	*	35	32	—
	Brest	29.50	43	SSE	2	o	?	?	38	35	− 2	ENE	3	o	2	o	*	46	32	—
	Lorient	29.48	41	S	3	o	29.36	− ·42	40	40	+ 1	ENE	6	s	4	o	*	50	37	—
FRANCE &	Rochefort ...	29.64	41	SE	3	o	29.32	− ·46	45	42	+ 8	E	4	r	*	bc, o	*	46	36	0·12
	Belfort	29.70	42	W	1	o	29.56	− ·19	28	28	+ 1	E	3	o	*	o	*	32	23	0·04
	Lyons	29.78	33	N	1	b	29.48	− ·32	41	39	+ 7	S	3	r	*	b	*	44	30	0·04
	Nice	29.77	43	S	1	b	29.71	− ·08	36	35	− 1	ENE	2	r	3	b	*	52	36	—
	Perpignan ...	29.73	39	Z	o	o	29.46	− ·40	39	38	+ 7	WSW	1	o	*	o	*	52	36	—
	Biarritz ...	29.60	53	S	3	o	29.29	− ·50	57	51	+ 18	S	3	o	2	o	*	?	46	—
PENIN-SULA.	Corunna ...																*			
	Lisbon	29.76	57	WSW	5	o	29.66	− ·33	51	47	− 5	WNW	4	b	*	o	*	59	48	1·02
	Azores (P. Delgada)	30.15	62	WNW	3	o	30.10	− ·07	60	59	+ 2	WNW	4	o	3	o	*	64	58	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

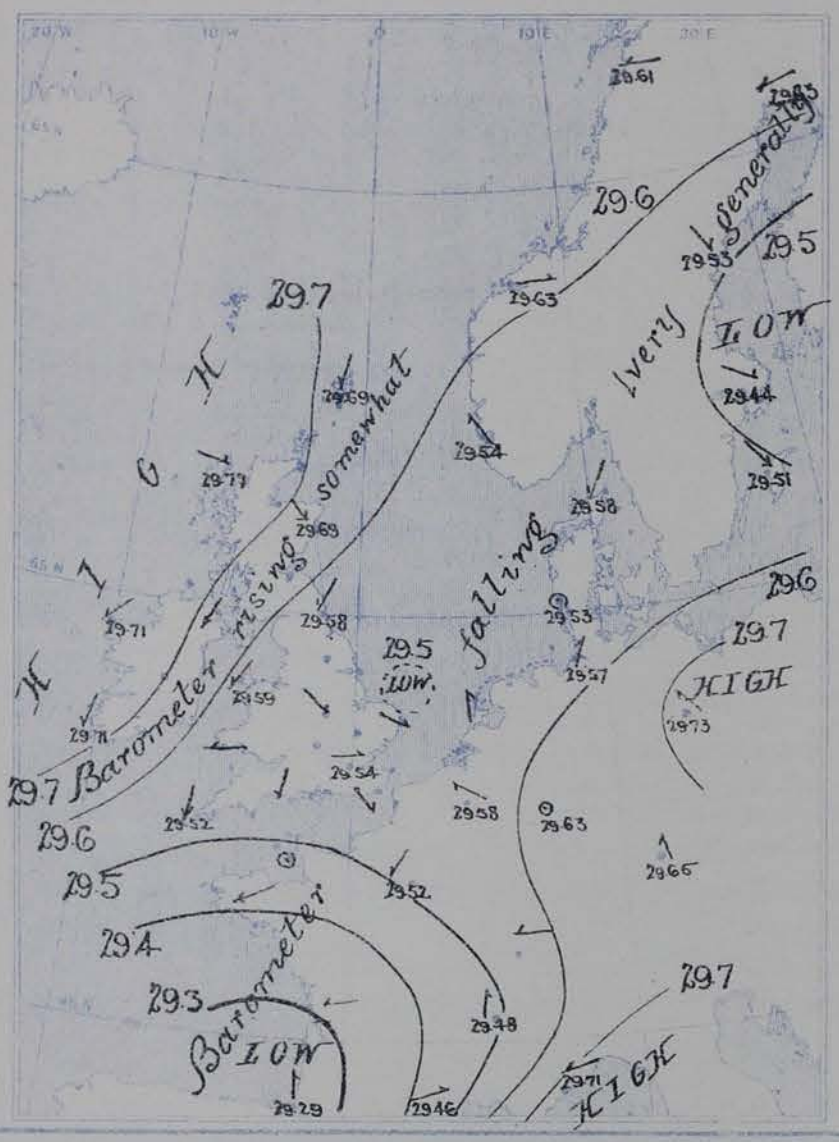
Bright Sunshine yesterday Southport 3·9 hrs; Brighton 0·3 hrs; Hastings 1·1 hrs; Eastbourne 1·0 hr.

WEATHER CHARTS

FOR FRIDAY, 18TH DECEMBER, 1896.

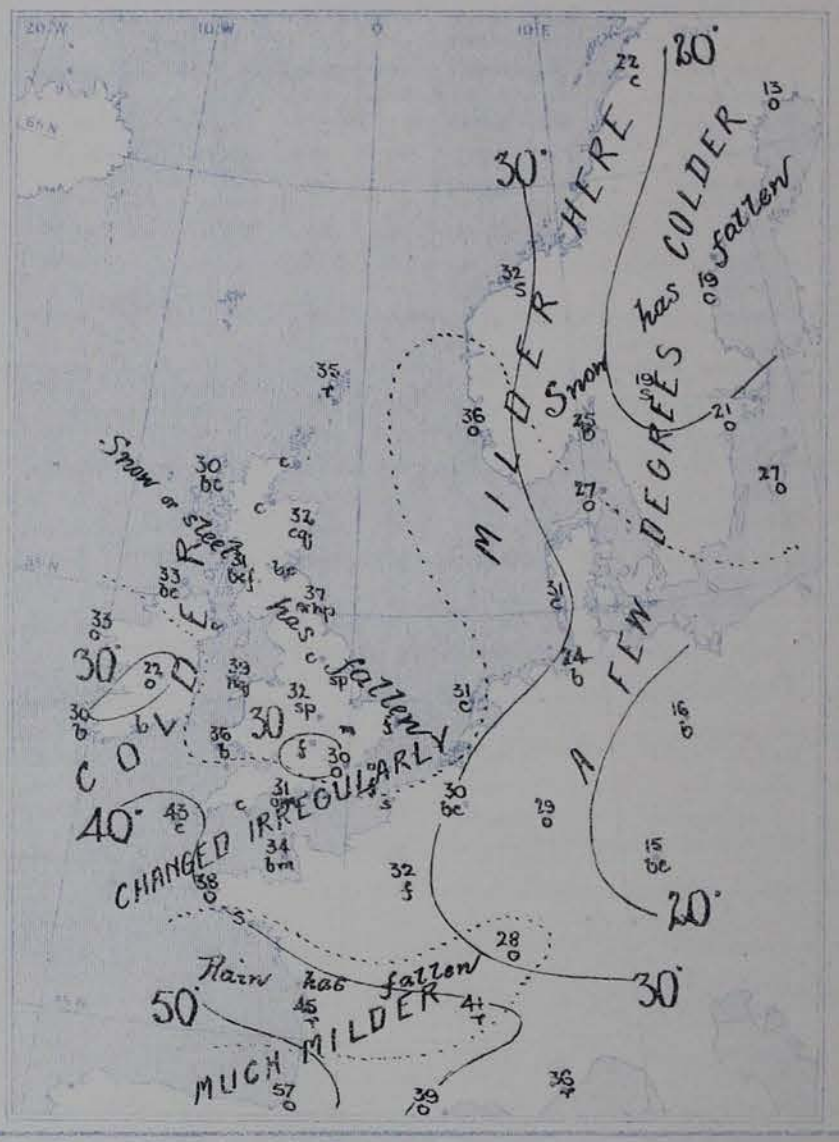
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871–95.	TEMPERATURE OF AIR. 1871–95. Means of: Dry Bulb 8 A.M.	Wet Bulb 8 A.M.	Daily Maximum	Daily Minimum	Absolute Extremes: Maximum	Years	Minimum	Years	RAINFALL. Means, 1866–95.	BRIGHT SUNSHINE. Means, 1881–95. Hours.	Per cent of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Scarborough Head	29·676	39·8	38·3	42·8	35·[illegible]	59	1885	19	1877	4·27	—	—
Stonyway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Whitby	29·699	38·2	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·1	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·738	37·0	35·3	42·0	32·0	58	1873	6	1882	3·11	39·0	20
Leith	29·795	38·1	37·2	44·1	33·7	58	1873, 88	5	1882	1·81	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·836	36·6	35·0	42·5	32·4	59	1888, 91	0	1879	2·24	26·5	19
Loughborough	29·922	36·4	35·4	43·0	32·3	56*	1888	7*	1880	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1889	15	1879	3·66	—	—
Donaghadee	29·849	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·870	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·8	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·00	45·0	20
Valencia	29·906	45·0	42·0	49·9	40·4	57	1884, 85	24	1889	5·92	43·9	19
Roche's Point	29·908	43·5	42·4	49·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·0	42·0	47·0	40·5	55	1870	19	1881	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 89	3·47	—	—
Jersey	29·936	43·0	41·7	47·7	39·7	61	1876	18	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·6	36·7	56	1876	19	1890	2·77	—	—
Dover	29·934	40·0	38·9	44·7	35·0	56	1889	12	1890	2·79	—	—
LONDON	29·959	38·0	36·8	44·3	34·0	58	1873, 88, 94	11	1878	2·11	44·8†	34
Oxford	29·958	37·1	36·0	43·2	33·6	58	1884	6	1879	2·49	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·9	33·[illegible]	58	1879	13	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.7 ins. and less in the W^rn. parts of Ireland and Scotland, as well as in E^rn. Germany and the southeast of France.
Lowest 29.3 ins. and less in a depression lying over the S^rn. parts of the Bay of Biscay; 29.5 ins. and less in a shallow disturbance in the neighbourhood of the Gulf of Finland.
Gradients slight. Barometer rising a little in most part of the United Kingdom, but falling elsewhere,– briskly over the southern parts of France.

TEMPERATURE

Highest 57° at Biarritz, 45° at Rochefort, 43° at Sicily, 41° at Lyons, 40° at Lorient, & 39° at Holyhead & Perpignan.
Lowest (1) 13° at Haparanda, and 19° at Hernösand and Karlstad; (2) 15° at Munich, and 16° at Berlin; lowest in our Islands 22° at Parsonstown, and 28° at Oxford.
Sharp frost occurred last night in many parts of the United Kingdom, the lowest readings reported being:–(1) In the screen 21° at Parsonstown, and 24° at Nairn; (2) on the grass 23° at Loughborough and Oxford.

WIND

Variable or SW^ly. over the eastern and central parts of England, light to fresh from the NW^ly. in Scotland, and from the N^ly. or NE^ly. on our western and southern coasts.
E^ly. in the west of France, S^ly. or SE^ly. over Germany, the Netherlands and the E. of France; variable in Norway and Denmark; NW^ly. in Sweden.

WEATHER

Fine over the greater part of Ireland and Scotland, and also in Germany.
Cloudy or dull elsewhere, with fog or mist over the SE^rn. parts of England, and snow or hail showers over our N^rn. and midland counties. Snow was falling also at Christiansund & Karlstad, and rain at several stations in the south of France.
Snow, sleet or hail fell yesterday in many parts of the United Kingdom,– principally in the N. & E.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which has appeared over the Bay of Biscay seems likely to move eastwards over France, without materially affecting the weather in our Islands. Shallow local disturbances are, however, reported over England and the North Sea, and snow showers are probable in many parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 19th. DECEMBER 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	NW^ly. and N^ly. winds, moderate, changeable, some snow showers.
2 ENGLAND N.E.	Variable breezes, finally N^ly. changeable, some snow showers.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Variable breezes, finally NE^ly. dull and misty or foggy, possibly some snow.
6 SCOTLAND WEST 7 ENGLAND N.W.	N^ly. to NW^ly. winds, light, fine at first, some showers later.
8 ENGLAND S.W.	N^ly. and NE^ly. winds, moderate or fresh, fair generally, but local showers.
9 IRELAND NORTH 10 IRELAND SOUTH	N^ly. winds, light or moderate, fair generally.
WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.); Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North Cone* is hoisted in preference to the *South Cone*.
The **North Cone**, *point upwards* ( ), means that gales or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.); should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards E. or S.W., the *South Cone* is hoisted in preference to the *North Cone*.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.65	31	28	L	0	b	1	Valencia	29.64	41	39	L	0	b	3
Sumburgh Head	29.57	32	31	L	0	be	3	Scilly	29.62	46	42	WSW	2	c	2
Stornoway	29.69	35	34	N	3	c	3	Jersey	29.65	44	41	W	3	bc	3
Aberdeen	29.57	33	32	NW	3	bc	5	Hurst Castle ...	29.63	41	40	SW	1	bcm	1
Shields	29.42	34	34	WSW	2	s	2	Dungeness ...	29.62	39	38	WSW	3	c	2
Ardrossan	29.57	38	36	NW	1	bcf	0	North Foreland	29.63	35	34	SW	2	b	1
Malin Head ...	29.64	41	39	N	4	bc	3	London (Westminster)	29.61	34	33	SW	1	f	*
Belmullet	29.69	43	39	NNE	3	b	*	Yarmouth ...	29.57	32	31	WSW	2	bc	3
Holyhead ...	29.57	39	37	N	3	ch	2	Rochefort ...	29.77	44	42	SE	3	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine on the W. coasts of our Islands and France generally, as well as over the W. of Norway and the greater part of Italy. Cloudy or dull elsewhere, with fog at many of the English stations. Snow falling at Sumburgh Hd., Leith and Liverpool, and also over Sweden, the Baltic and the Gulf of Finland. Snow, hail or sleet showers occurring later in many parts of Wn. and Nn. Europe.

Temperature fallen over the S. of our Islands and the greater part of the Continent; but risen in Scotland. Morning readings highest 56° at Lisbon and Malta, 55° at Algiers and 52° at Patras. Lowest −3° F. at Archangel, +9° at Faro, 13° at Munich, and 17° at Prague and Kaspo; below the freezing point over Nn. and central Europe generally, as well as in many parts of England and Ireland. Daily maxima below 40° at all but our Wn. and Sn. coast stations, and not exceeding 33° in London. Rising to 50° and upwards in the S. of France, and to 59° at Lisbon.

Wind light to moderate from between N. and E. in Scotland, and from the NWd. on our Wn. and Sn. coasts, but SWly. over the En. and central parts of England, as well as in the Netherlands, SEly. in the W. of Norway. Strong from the Ead. or NEad. over Nn. Russia, from the Nwd. or NWd. in Sweden, and from the Wd. in N. Germany, with a gale at Helsingfors and Wisby. Variable in the S. of Russia; calm in Austria; SWly. over the Spanish peninsula and the Sn. parts of Italy. No important change occurring over Wn. Europe during day.

Barometer highest 30.4 ins. and upwards in an anticyclone over Nn. Russia; 30.1 ins. and upwards in other systems lying respectively over Morocco and over the central parts of the Mediterranean. Lowest 29.3 ins. and less in a well marked depression over the Nn. part of the Baltic; 29.5 ins. and less in a small and very shallow system off the Northumberland coast. Latter disturbance subsequently moving very slowly Sd.; further shallow disturbances forming over various parts of England and the Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday 19th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.66	12	2	0	0	29.80	+ ·17	14	13	+ 1	N	2	0	*	0	*	19	9	0.08
	Hernösand ...	29.60	20	WSW	4	s	29.80	+ ·27	20	19	+ 1	N	2	0	*	s	*	21	18	0.08
	Stockholm ...	29.56	22	W	2	s	29.79	+ ·35	20	20	— 1	W	2	0	*	s	*	28	19	0.12
	Wisby	29.63	27	W	4	bc	29.81	+ ·30	27	25	0	WNW	4	0	*	bc	*	28	23	0.04
	Karlstad ...	29.65	18	2	0	0	29.83	+ ·27	9	8	— 10	NW	2	f	*	0	*	*	*	—
	Bodö	29.70	23	E	2	b	29.82	+ ·21	21	18	— 1	ENE	2	b	1	b	*	23	18	—
	Christiansund ...	29.67	34	WSW	2	0	29.85	+ ·22	31	30	— 1	2	0	bc	3	0	*	34	30	0.24
	Skudesnaes ...	29.62	35	SSE	4	0	29.78	+ ·24	36	34	0	SSE	2	0	2	0	*	36	25	*
	Færder (Christiania Fjord)	29.65	26	NE	1	0	29.81	+ ·24	25	24	0	2	0	b	1	0	*	27	25	—
	Skagen (The Scaw)	29.65	27	ENE	1	0	29.82	+ ·24	25	23	— 2	NE	1	b	0	0	*	28	23	0.04
	Fanö	29.57	32	2	0	0	29.74	+ ·21	30	30	— 1	ESE	2	0	*	0	*	34	28	—
BRITISH ISLANDS.	Sumburgh Head	29.69	35	NE	3	c	29.91	+ ·22	35	34	0	N	2	c	6	c	*	36	32	0.01
	Stornoway ...	29.85	34	N	2	0	29.97	+ ·20	33	33	+ 3	N	3	bc	3	0	1.0	37	27	0.10
	Wick	29.73	35	NNE	2	bc	29.88	+ ·21	32	32	— 3	NNW	3	bc	2	bc	*	39	30	0.05
	Nairn	29.78	36	NNW	3	c	29.93	+ ·21	32	30	+ 2	2	0	bc	1	c	*	37	28	—
	Aberdeen ...	29.72	34	NW	4	bc	29.90	+ ·21	34	33	+ 2	N	4	cq	4	rsp, bc	1.9	36	32	0.46
	Leith	29.74	35	NNE	2	b	29.90	+ ·22	34	32	— 2	NW	2	cm	*	b	*	40	32	—
	Shields	29.63	37	NNW	3	0	29.78	+ ·20	35	35	— 2	NW	3	s	3	rsp, o, s	*	41	33	0.61
	Spurn Head ...	29.59	36	WNW	3	b	29.72	+ ·20	36	36	+ 1	NW	4	bc	3	bm, r	*	38	31	0.13
	York	29.59	35	NNW	1	osp	29.80	+ ·23	32	32	+ 1	NW	1	bc	*	osp	0.0	35	30	0.07
	Loughborough ...	29.62	34	NE	2	0	29.77	+ ·24	34	33	+ 2	NNW	3	0	*	gm, sp, c	*	35	32	0.03
	Ardrossan ...	29.75	35	N	1	bc	29.91	+ ·23	32	32	+ 1	NW	1	bcf	0	b, bc	*	40	29	—
	Malin Head ...	29.82	40	N	4	b	29.94	+ ·24	40	37	+ 7	N	4	chq	2	b	*	41	33	0.03
	Belmullet ...	29.88	35	NE	1	b	30.02	+ ·31	37	36	+ 4	NNE	1	c	*	b	*	41	26	0.02
	Donaghadee ...	29.77	39	NW	6	b	29.91	+ ·25	40	38	+ 3	NNE	5	b	4	b	*	41	37	—
	Liverpool (Bidston)	29.69	36	N	3	0	29.82	+ ·25	35	32	+ 3	N	2	b	3	rs, o	*	37	32	—
	Holyhead ...	29.68	41	NE	5	c	29.88	+ ·29	39	36	0	N	4	c	3	c	*	41	36	—
	Parsonstown ...	29.82	28	NE	1	b	29.97	+ ·27	22	22	0	2	0	b	*	b	1.1	31	20	—
	Valencia ...	29.83	35	ENE	1	b	30.02	+ ·31	30	29	0	NNE	1	b	2	b	5.8	41	27	—
	Roche's Point ..	29.71	35	NNW	3	b	29.96	+ ·30	34	33	+ 1	N	3	b	3	b	*	38	31	—
	Pembroke (St. Ann's Hd.)	29.66	36	E	2	b	29.85	+ ·28	38	35	+ 2	NE	3	b	3	b	5.2	39	35	—
	Scilly	29.60	42	N	5	c	29.82	+ ·30	39	39	— 4	N	5	chq	3	hq, c	5.3	44	36	0.22
	Prawle Point ...	29.59	33	NE	3	c	29.78	+ ·25	32	30	+ 2	N	3	c	2	osp	*	41	29	0.02
	Jersey (St. Aubin's)	29.52	38	N	3	bc	29.70	+ ·21	39	37	+ 5	N	3	bcm	3	bc, srp	*	42	33	0.04
	Hurst Castle ...	29.55	35	NE	3	cm	29.74	+ ·21	35	33	+ 4	NNE	2	ogm	1	bm, cm	*	35	29	—
	Dungeness ...	29.51	34	N	3	s	29.65	+ ·15	30	30	— 1	NNW	3	s	2	osp	*	34	30	0.03
GERMANY & HOLLAND.	North Foreland	29.56	37	NE	2	0	29.67	+ ·13	35	35	+ 1	NNE	4	0	4	0	*	39	33	—
	London (Brixton) ...	29.58	30	NNE	2	cm	29.72	+ ·18	33	32	+ 3	NW	1	of	*	ogf, bm	0.0	34	27	—
	Oxford	29.64	31	NE	4	0	29.76	+ ·22	34	33	+ 6	NNE	2	0	*	osp	*	34	27	—
	Cambridge ...	29.61	31	ESE	1	bc	29.74	+ ·21	33	33	+ 2	NNW	2	s	*	s, bc	0.0	33	25	—
	Yarmouth ...	29.55	30	NW	2	b	29.68	+ ·16	35	34	+ 3	NNE	2	cvr	3	b, bc	*	35	27	0.07
	Cuxhaven ...	29.56	26	S	1	b	29.70	+ ·13	23	23	— 1	E	1	b	*	b	*	30	21	—
	Berlin	29.67	22	SE	2	b	29.73	·00	21	20	+ 5	SE	3	0	*	b	*	23	16	—
	Wiesbaden ...	*	*	*	*	*	29.46	— ·17	32	31	+ 3	NE	2	s	*	*	*	34	29	—
	Munich	29.47	22	NE	3	c	29.37	— ·28	22	21	+ 7	SE	3	c	*	c	*	28	15	—
	The Helder ...	29.57	24	S	1	m	29.67	+ ·13	30	29	— 1	ESE	1	m	1	m	*	32	23	—
BELGIUM.	Brussels ...	*	*	*	*	*	29.60	+ ·02	28	27	— 2	NE	3	0	*	0	*	36	27	—
	Cape Gris Nez ...	29.55	30	ESE	1	c	29.61	+ ·11	34	30	+ 3	E	2	c	2	c	*	37	27	0.39
	Paris	29.46	34	NNE	2	0	29.46	— ·06	32	30	0	N	5	0	*	0	*	37	31	—
	Brest	29.56	39	NNE	3	bc	29.72	?	38	36	0	NE	2	c	2	bc	*	45	30	—
	Lorient	29.41	40	ENE	5	c	29.70	+ ·34	37	36	— 3	NNE	4	c	3	c	*	43	34	—
FRANCE &	Rochefort ...	29.32	37	ESE	6	r	29.56	+ ·24	34	32	— 11	NNW	6	b	*	r	*	45	32	0.16
	Belfort	29.41	30	ENE	5	s	29.32	— ·24	27	27	— 1	E	5	m	*	s	*	31	27	0.63
	Lyons ...	29.34	41	ENE	1	r	29.30	— ·18	41	40	0	N	1	r	*	r	*	50	38	0.59
	Nice	29.36	42	2	0	r	29.42	— ·29	46	45	+ 10	E	6	r	6	r	*	46	36	3.27
	Perpignan ...	29.26	52	NW	2	0	29.43	— ·03	44	39	+ 5	NW	4	0	*	0	*	61	39	0.08
	Biarritz ...	29.33	50	2	0	0	29.59	+ ·30	46	41	— 11	NNW	5	r	5	0	*	57	37	0.32
PENINSULA.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.10	61	WNW	1	bc	30.06	— ·04	61	58	+ 1	WSW	3	0	3	bc	*	64	59	0.16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0.5 hrs; Brighton 1.6 hrs; Hastings 0.0 hrs; Eastbourne 0.0 hrs.

WEATHER CHARTS

FOR SATURDAY, 19TH DECEMBER, 1896.

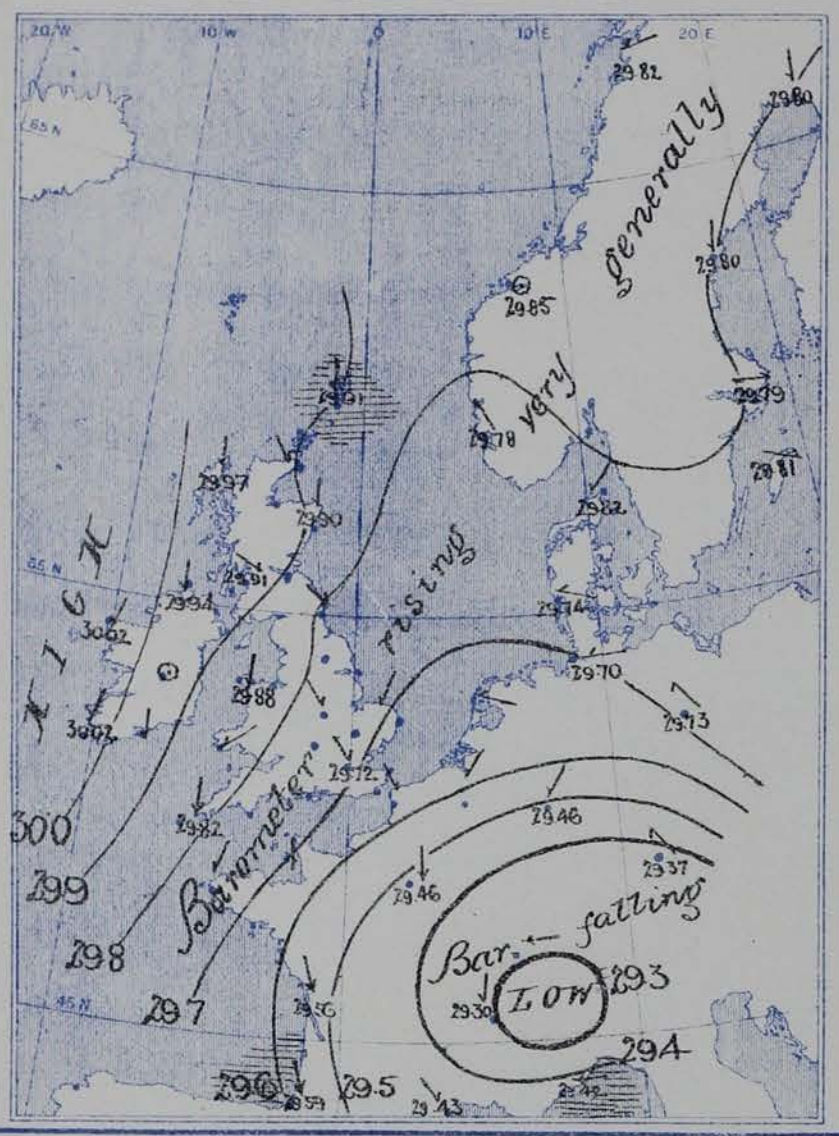
BAROMETER, WIND AND SEA.

BAROMETER. Isobars are drawn for each tenth of an inch.

WIND—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; *Force 1 to 4* ⟶ ; }

SEA—*Rough* ▒ : *High* ▒

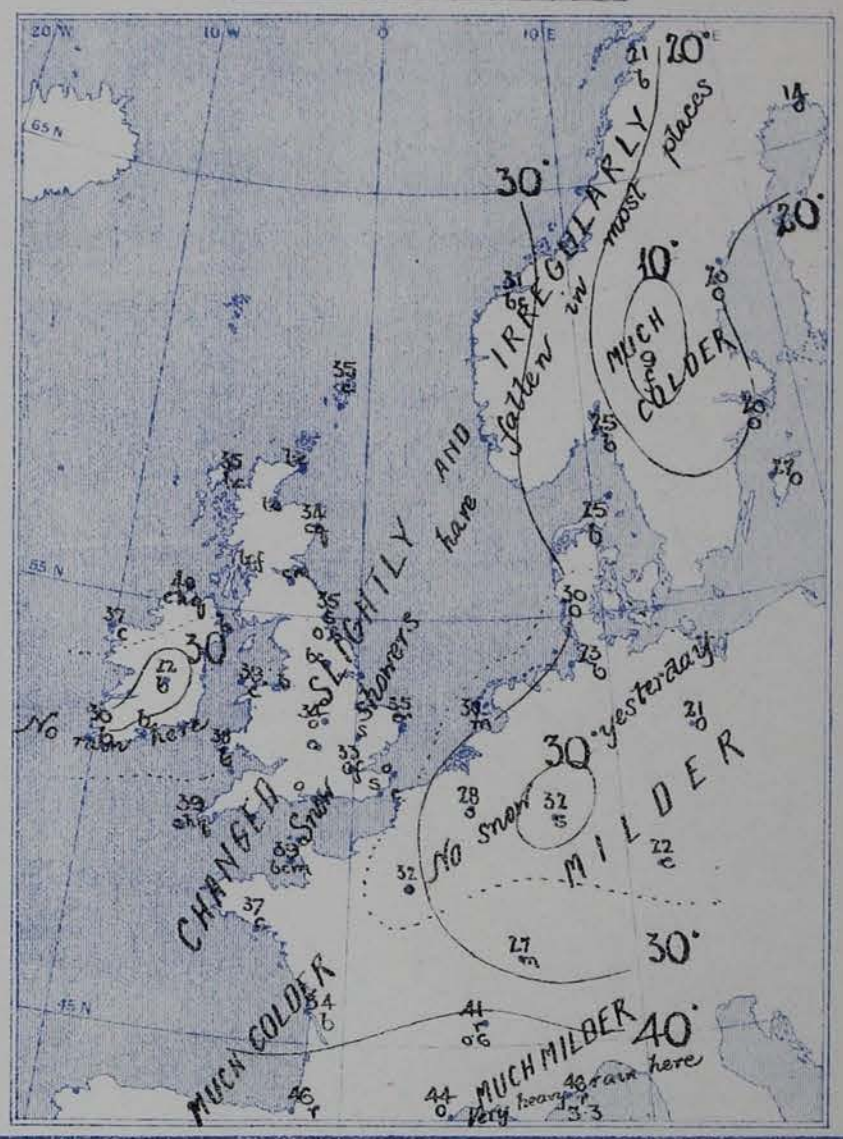


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards in the west of Ireland.
Lowest 29.4 ins. and less in a depression lying over central France and south Germany.
Gradients slight generally, but moderate over the north of France.
Barometer rising at all stations excepting those in S. Germany and the E. and S. of France.

TEMPERATURE

Highest 46° at Nice and Biarritz, 44° at Perpignan, 40° at Malin H.d and Donaghadee, and 39° at Holyhead, Scilly and Jersey.
Lowest (1) 9° at Karlstad, 14° at Haparanda, 20° at Hernösand and Stockholm, and 21° at Bodö and Berlin. (2) 22° at Parsonstown.
Frost was again experienced last night over the greater part of the United Kingdom, the lowest readings reported being 20° at Parsonstown, and 25° at Cambridge.

WIND

Light to fresh from the N.wd over our Islands and the greater part of France.
E. (SE. by E. to NE. by E.) over the Netherlands, Germany and the east of France.
Calm or variable in Norway; N. by E. or NW. by N. in Sweden.

WEATHER

Fine at most of our own western and northern stations, and also in Norway and Denmark.
Cloudy or dull elsewhere, with rain in the S. of France, and snow in some parts of the east and southeast of England, as well as at Wiesbaden.
Snow or sleet fell yesterday in many parts of Gt. Britain, heavily at Shields. Large quantities of rain have fallen in the S. of France, — as much as 3.3 ins. at Nice.

SEA

Slight or smooth generally, but rough at Dumbarg H.d, as well as at Nice and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system in the west appears to be spreading eastwards. Cold N. by E. winds are likely to continue in most districts, but with brighter weather over England.

FORECASTS

For the 24 hours ending at NOON on 20TH DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N. by E. winds, moderate; fair generally, but snow showers in a few places.	6 SCOTLAND WEST	N. by E. winds, light or moderate; fair, cold.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No. 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES	N. by E. winds, light or moderate, some snow showers at first, then fair.	10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.55	35	35	S	6	o	4
Sumburgh Head	29.69	34	33	NE	3	c	4
Stornoway	29.81	37	36	E	2	o	2
Aberdeen	29.70	36	34	NNW	2	bc	4
Shields	29.61	37	37	NNW	3	r	4
Ardrossan	29.71	40	38	NW	1	b	0
Malin Head ...	29.77	38	34	N	3	b	1
Belmullet	29.80	40	39	NE	1	b	*
Holyhead	29.65	41	37	NE	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.75	41	38	E	0	b	2
Scilly	29.58	43	39	NNE	5	c	3
Jersey	29.50	40	39	NNE	3	c	3
Hurst Castle ...	29.53	35	33	NNE	1	bm	1
Dungeness ...	29.48	32	32	N	3	osp	2
North Foreland	29.52	36	34	NE	3	b	2
London (Westminster)	29.54	33	32	NE	1	ogf	*
Yarmouth ...	29.53	33	32	NW	1	bc	3
Rochefort ...	29.30	41	41	ESE	5	r	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of Ireland and Scotland, as well as at many of the German stations. Cloudy or dull in nearly all other parts of Europe, with fog over the SE^rn parts of England, and snow or hail showers over our N^rn and Midland counties; snow reported also in several parts of N^rn Europe, and rain in the S. of France and at Lesina. Snow showers falling during day in most parts of Gt. Britain, and heavy rain in the S. of France, – as much as 3.3 ins. at Nice.

Temperature changed rather irregularly, but fallen in most of the W^rn and central countries. Morning reading highest 58° at Malta, 57° at Biarritz, and 56° at Corunna, Cagliari, Palermo and Algiers. Lowest (1) 2° at Cracow, 8° at Warsaw, and 15° at Prague and Munich, (2) 83° at Haparanda, and 15° at Ulealborg, (3) 22° at Parsonstown. Daily maxima below 35° over central Ireland and the SE^rn parts of England; thermometer exceeding 55° in the S. of France, and reaching 61° at Perpignan. Sharp frost occurring over our Islands at night.

Wind light to fresh from the NW^rly in Scotland, and from the N^rly or NE^rly on our western and southern coasts, but variable or SW^rly over eastern and central England. W^rly over the Spanish peninsula; S^rly over central France; E^rly in the Bay of Biscay. Variable in Norway and Denmark, NW^rly in Sweden, W^rly over the Baltic, S^rly in Germany, variable over Italy and the S. of Russia. N^rly winds setting in later over England.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over SE^rn Europe; 29.7 ins. and upwards over the western parts of Ireland and Scotland. Lowest 29.3 ins. and less in a depression over the S^rn part of the Bay of Biscay; 29.5 ins. and less in a shallow system in the neighbourhood of the Gulf of Finland. Depression over Bay of Biscay subsequently moving E^wds over France, barometer rising in all parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 20th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·06	14	NE	2	o	30·30	+ ·50	5	4	− 9	NW	2	c	*	o	*	27	3	—
	Hernösand ...	30·16	5	2	o	b	30·41	+ ·61	5	4	− 15	2	o	b	*	b	*	23	5	—
	Stockholm ...	30·20	23	2	o	o	30·38	+ ·59	23	22	+ 3	2	o	o	*	o	*	25	18	—
	Wisby	30·13	27	NW	4	o	30·34	+ ·53	32	31	+ 5	ESE	4	o	*	o	*	32	21	—
	Karlstad ...	30·17	17	2	o	c	30·43	+ ·60	20	19	+ 11	NW	2	o	*	c	*	*	*	—
	Bodö	30·11	22	2	o	o	30·30	+ ·48	28	25	+ 7	E	2	o	1	o	*	?	18	—
	Christiansund ...	30·17	32	2	o	b	30·41	+ ·56	31	28	0	E	2	b	3	b	*	36	28	—
	Skudesnaes ...	30·09	32	2	o	b	30·32	+ ·54	30	28	+ 6	E	1	b	1	b	*	36	27	*
	Færder (Christiania Fjord)	30·14	25	NNE	1	o	30·40	+ ·59	23	22	− 2	NE	4	c	2	o	*	27	23	—
	Skagen (The Scaw)	30·20	27	NE	1	bc	30·36	+ ·54	24	23	− 1	ENE	3	o	0	bc	*	28	23	—
	Fanö	30·02	26	NE	2	b	30·19	+ ·45	27	27	− 3	ENE	4	c	*	b	*	30	25	—
BRITISH ISLANDS.	Sumburgh Head	30·08	35	NE	2	bc	30·32	+ ·41	39	36	+ 4	E	2	c	3	bc	*	40	35	0·03
	Stornoway ...	30·12	35	2	o	c	30·22	+ ·25	36	36	+ 3	SE	4	c	4	c	1·8	37	28	—
	Wick	30·08	35	E	2	bc	30·23	+ ·35	31	30	− 1	N	2	cprs	3	bc	*	39	26	0·06
	Nairn	30·10	33	W	1	c	30·28	+ ·35	31	31	− 1	2	o	o	1	c.s	*	37	26	0·08
	Aberdeen ...	30·09	32	NW	3	bc	30·30	+ ·40	30	?	− 4	W	1	bcm	3	bc.s	2·7	36	30	0·17
	Leith	30·06	35	NW	2	c	30·26	+ ·36	34	33	0	2	o	cm	*	c	*	38	32	—
	Shields	29·97	39	NE	3	cphrs	30·24	+ ·46	39	38	+ 4	NE	2	cp	3	cphrs	*	42	34	0·23
	Spurn Head ...	29·88	39	NE	3	bcr	30·17	+ ·45	39	37	+ 3	ENE	4	o	4	bcr.r	*	41	35	0·23
	York	29·92	36	NNW	1	bc	30·22	+ ·42	35	34	+ 3	N	1	o	*	bc	1·2	36	31	0·05
	Loughborough ...	29·91	34	NW	2	o	30·17	+ ·40	35	34	+ 1	N	1	o	*	bc.o.sp	*	38	33	0·01
	Ardrossan ...	30·07	35	NW	1	bcf	30·25	+ ·34	30	30	− 2	NE	2	bm	1	bc	*	40	26	—
	Malin Head ...	30·09	35	2	o	b	30·20	+ ·26	32	31	− 8	S	2	bm	0	b	*	40	31	0·02
	Belmullet ...	30·11	35	NE	1	b	30·21	+ ·19	33	32	− 4	ESE	1	b	*	b	*	43	29	—
	Donaghadee ...	30·08	40	NNE	5	b	30·22	+ ·31	39	38	− 1	E	5	b	3	b	*	42	37	—
	Liverpool (Bidston)	30·01	37	NNW	2	c	30·22	+ ·38	32	30	− 3	NNE	1	b	?	c	*	38	30	—
	Holyhead ...	30·02	41	NNE	4	c	30·20	+ ·32	35	34	− 4	E	1	cm	1	c	*	41	34	—
	Parsonstown ...	30·09	29	2	o	f	30·20	+ ·23	17	17	− 5	2	o	b	*	b.f	2·5	34	16	—
	Valencia ...	30·10	33	NNE	2	o	30·12	+ ·10	41	36	+ 11	SE	4	c	3	c.o	4·1	44	29	—
	Roche's Point ..	30·09	35	N	3	b	30·18	+ ·22	30	30	− 4	N	1	bc	3	b	*	41	25	—
	Pembroke (St. Ann's Hd.)	29·99	38	NE	3	b	30·19	+ ·34	35	33	− 3	E	2	b	2	b	6·3	41	34	—
	Scilly	29·96	44	N	5	cp	30·13	+ ·31	41	38	+ 2	ENE	1	b	2	c	1·1	45	36	0·18
	Prawle Point ...	29·96	34	N	3	bc	30·17	+ ·39	33	32	+ 1	N	3	bc	2	bc	*	39	30	—
	Jersey (St. Aubin's)	29·87	41	N	4	opq	30·13	+ ·43	41	39	+ 2	NE	3	bcm	3	bcpp.rs	*	42	38	0·03
	Hurst Castle ...	29·88	35	NNE	3	cm	30·15	+ ·41	33	32	− 2	NNE	1	bm	1	c	*	37	31	—
	Dungeness ...	29·77	35	N	3	csp	30·08	+ ·43	32	32	+ 2	N	3	spm		csp	*	36	30	0·02
	North Foreland	29·82	37	NE	5	c	30·09	+ ·42	38	37	+ 3	N	4	r	4	r.c	*	41	34	0·14
	London (Brixton) ...	29·85	36	N	3	og	30·16	+ ·44	32	31	− 1	NNW	1	af	*	c.og.of	0·0	37	30	—
	Oxford	29·96	33	NNW	3	o	30·18	+ ·42	34	34	0	N	2	o	*	o	*	35	33	0·01
	Cambridge ...	29·89	32	NNW	3	bc	30·15	+ ·41	32	31	− 1	NNW	1	cm	*	bc	0·1	35	27	—
	Yarmouth ...	29·82	38	ENE	4	bc	30·09	+ ·41	38	36	+ 3	ENE	4	bc	4	bc	*	39	33	0·06
GERMANY & HOLLAND.	Cuxhaven ...	29·84	28	NE	3	c	30·06	+ ·36	32	32	+ 9	E	3	s	*	c.s	*	34	28	0·04
	Berlin	29·79	29	E	4	o	30·02	+ ·29	31	31	+ 10	E	2	s	*	o	*	32	20	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29·65	29	2	o	c	29·96	+ ·59	25	25	+ 3	W	2	f	*	c	*	31	20	—
	The Helder ...	29·89	33	ENE	4	o	30·05	+ ·38	35	34	+ 5	NE	5	o	3	o	*	36	30	—
	Brussels ...	*	*	*	*	*	30·04	+ ·44	30	30	+ 2	NE	2	o	*	s	*	31	27	0·16
	Cape Gris Nez	29·76	37	E	5	b	30·01	+ ·40	39	39	+ 5	E	4	o	3	b	*	41	30	0·20
	Paris	29·70	33	NNW	4	o	30·04	+ ·58	32	30	0	NNE	3	o	*	o	*	33	32	—
	Brest	29·88	44	NNE	3	c	30·13	+ ·41	39	36	+ 1	NNE	1	c	2	c	*	43	32	—
	Lorient... ...	29·81	39	N	5	o	30·05	+ ·35	38	36	+ 1	N	2	o	2	o	*	46	36	—
FRANCE & BELGIUM.	Rochefort ...	29·80	39	NNE	6	o	30·07	+ ·51	36	35	+ 2	NE	3	b	*	o	*	41	30	—
	Belfort	29·63	31	SW	2	o	29·98	+ ·66	29	28	+ 2	W	2	m	*	o	*	31	29	0·04
	Lyons	29·73	34	NNW	1	s	30·01	+ ·71	35	30	− 6	NW	1	o	*	s	*	40	31	0·24
	Nice	29·65	44	ENE	1	c	29·66	+ ·24	47	42	+ 1	E	1	o	4	c	*	48	43	0·71
	Perpignan ...	29·69	43	NW	5	o	29·86	+ ·43	35	35	− 9	NW	5	b	*	o	*	45	35	—
	Biarritz ...	29·80	41	NNW	4	r	30·06	+ ·47	32	30	− 14	SSE	2	b	2	r	*	48	30	0·20
PENINSULA.	Corunna ...	29·97	46	NE	2	bc	30·19	+ ·33	40	39	− 6	NE	2	b	2	bc	*	50	36	—
	Lisbon	30·06	47	NNE	3	b	30·18	+ ·39	43	40	+ 6	NNE	3	b	*	b	*	52	43	—
	Azores (P. Delgada)	30·06	62	SW	5	c	30·02	− ·04	61	61	0	W	3	m	3	c	*	63	59	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

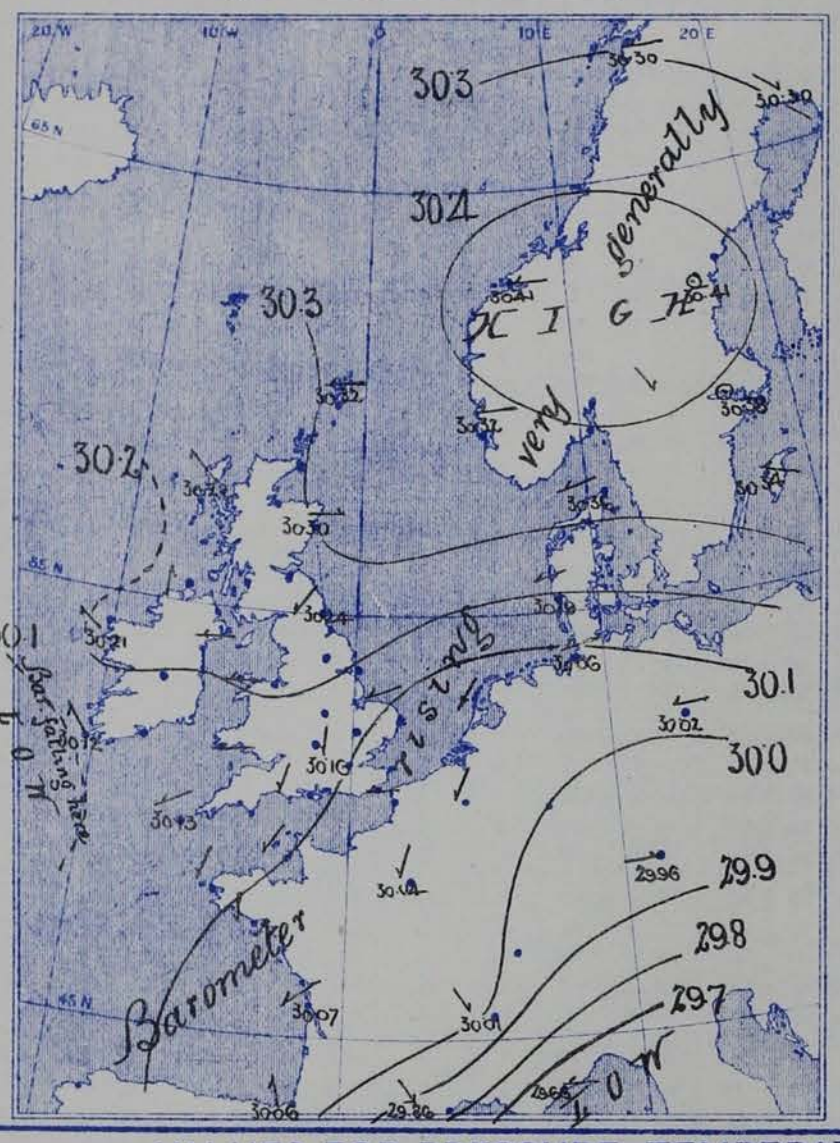
Bright Sunshine yesterday Southport 6·0 *hrs; Brighton* ? *hrs; Hastings* ? *hrs; Eastbourne* 0·0 *hr.*

WEATHER CHARTS

FOR SUNDAY, 20th DECEMBER, 1896.

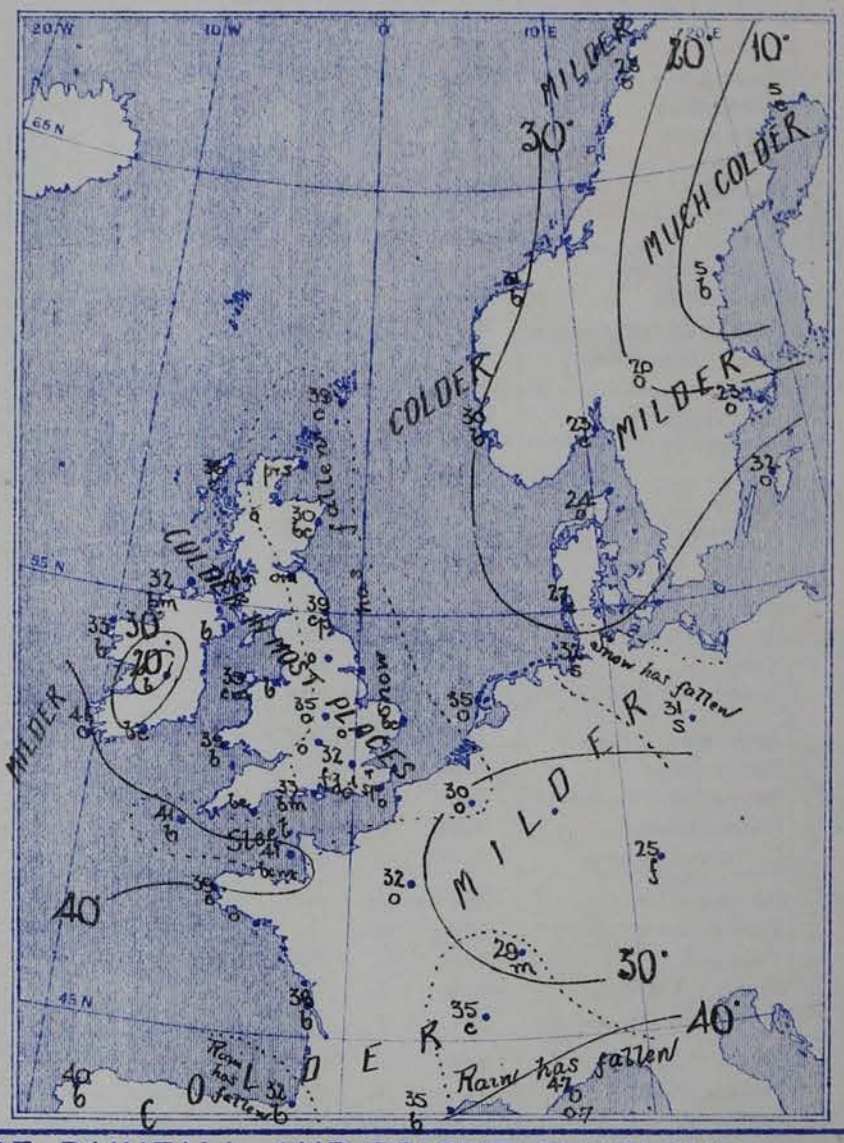
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ➛ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ➛ ; *Force 1 to 4* ⟶ ; Calm ⊙
SEA—*Rough* ▤ : *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over the central parts of Scandinavia, 30.2 ins. and upwards in an anticyclone covering the whole of Scandinavia, and extending W^wds. over all the more N^rn part of our Islands.
Lowest 29.7 ins. and less in a depression over the Gulf of Genoa.
Gradients slight. Barometer rising generally, but beginning to fall at Valencia (Ireland)

TEMPERATURE

Highest (1) 47° at Nice, 43° at Lisbon, and 40° at Corunna; (2) 41° at Valencia (Ireland) Scilly & Jersey.
Lowest (1) 5° at Haparanda and Hernosand, 20° at Karlstad, and 23° at Stockholm and Faerder; (2) 17° at Parsonstown
Frost occurred last night in many parts of the United Kingdom, the lowest temperatures reported being 16° at Parsonstown, and 26° at Wick, Nairn and Ardrossan.

WIND

Light to moderate from the E^rly or NE^rly over western Europe as a whole, but SE^rly in the west of Ireland.
W^rly over south Germany and the east of France; variable in the south of France

WEATHER

Fine in the W^rn parts of our Islands generally, as well as at many of the Scandinavian & S. French stations.
Cloudy or dull elsewhere, with fog in London and rain or sleet on the Kentish coasts, as well as at Wick. Snow was falling in north Germany.
Snow or sleet showers fell yesterday in many parts of Gt. Britain, and considerable amounts of rain in the south of France.

SEA

Moderate on our east and southeast coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21st. DECEMBER 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.97	36	35	SSE	2	o	2
Sumburgh Head	29.99	36	35	NE	2	bc	4
Stornoway	30.06	37	37	N	3	bc	3
Aberdeen	30.00	36	34	NW	3	b	3
Shields	29.87	41	39	NE	3	crshp	3
Ardrossan	29.98	40	38	NW	1	b	0
Malin Head ...	30.01	39	35	N	3	bc	1
Belmullet	30.05	42	40	SW	2	bc	*
Holyhead	29.95	40	37	NE	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.07	48	39	2	0	c	2
Scilly	29.90	44	41	NNE	5	chq	3
Jersey	29.79	41	39	NNE	4	bc	3
Hurst Castle ...	29.79	37	36	NNE	4	cm	2
Dungeness ...	29.67	36	36	NNW	3	c	3
North Foreland	29.73	36	36	N	4	r	3
London (Westminster)	29.78	36	35	NE	3	c	*
Yarmouth ...	29.74	38	36	SW	3	bc	3
Rochefort ...	29.65	36	35	NNE	6	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine at most of our own western and northern stations and also in Norway and Denmark. Cloudy or dull in nearly all other parts of Europe, with snow in some parts of our eastern and southeastern counties, as well as at Wiesbaden and Limoges; rain falling at Nice and Biarritz, and also at Limoges and Palermo. Snow or sleet showers occurring later in most parts of Gt. Britain, and heavy rain at some of the southern French stations.

Temperature fallen quickly over western and central Russia, risen briskly over Italy, Austria and eastern Germany, changed irregularly elsewhere. Morning readings highest, 65° at Palermo, 62° at Sfax, 60° at Malta, and 58° at Brindisi; above 50° at several of the Mediterranean and Adriatic stations. Lowest 5° at Neufahrwasser, 8° at Moscow, 9° at Karlstad, and 10° at Riga; considerably below the freezing point over N^rn and central Europe generally, and also over central Ireland. Daily maxima below 40° in most parts of Gt. Britain as well as in central Ireland; thermometer rising very little above 45° even in the south of France. Frost occurring over our Islands at night. Sheltered thermometer at Parsonstown falling to 16°.

Wind light to moderate from the N^wd in our Islands, and fresh or strong from the same quarter over the north and west of France, and also over the Spanish peninsula. Light from the E^wd (SE to NE) over the Netherlands, Germany, Denmark and the south of Norway. N^ly or NW^ly in Sweden; light from the S^wd in Russia and strong from the same quarter over Italy; variable in the S. of France. Subsequently veering to the NE^wd in many parts of our Islands; no important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards in a large anticyclone over Russia, the Black Sea and Asia Minor; 30.0 ins. and upwards in another system lying to the westward of our Islands. Lowest 29.3 ins. and less in a depression over the east of France and the neighbouring parts of Switzerland. Anticyclone off our W^rn coasts subsequently spreading northwards and eastwards, and barometer rising in all parts of western and northern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday 21st Decr. 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·48	−7	L	0	b	30·53	+ ·23	2	2	− 3	S	2	bc	*	b	*	14	−9	—
	Hernösand ...	30·67	0	L	0	b	30·76	+ ·35	−3	−3	− 8	L	0	b	*	b	*	12	−3	—
	Stockholm ...	30·68	23	L	0	0	30·78	+ ·40	10	10	− 13	L	0	b	*	0	*	27	?	—
	Wisby	30·40	28	E	4	b	30·71	+ ·37	31	29	− 1	ENE	4	0	*	b	*	34	23	—
	Karlstad ..	30·70	16	N	1	b	30·78	+ ·35	4	4	− 16	N	2	b	*	b	*	*	*	—
	Bodö	30·48	36	SW	5	0	30·59	+ ·29	37	35	+ 9	SW	4	c	2	0	*	37	25	0·12
	Christiansund ...	30·59	29	E	1	b	30·66	+ ·25	26	25	− 5	SSW	1	b	3	7	*	32	25	—
	Skudesnaes ...	30·56	28	E	1	b	30·62	+ ·30	33	30	+ 3	E	6	0	2	b	*	33	27	*
	Færder (Christiania Fjord)	30·65	26	NE	3	0	30·72	+ ·32	22	22	− 1	NNE	4	b	2	0	*	26	21	—
	Skagen (The Scaw)	30·60	29	ENE	5	0	30·65	+ ·29	28	26	+ 4	E	3	b	1	0	*	30	23	—
	Fanö	30·39	31	ENE	4	c	30·36	+ ·17	33	32	+ 6	ENE	6	c	*	c	*	33	27	—
BRITISH ISLANDS.	Sumburgh Head	30·42	39	SE	2	c	30·45	+ ·13	37	34	− 2	SE	4	0	4	c	*	40	31	0·01
	Stornoway ...	30·26	39	SSE	5	bv	30·22	·00	39	37	+ 3	SSE	4	0	4	bv	3·7	43	35	—
	Wick	30·32	32	S	4	bc	30·28	+ ·05	39	38	+ 8	SE	7	ow	5	bc	*	39	28	0·05
	Nairn	30·34	22	L	0	bc	30·28	·00	33	32	+ 2	L	0	c	1	bc	*	34	18	—
	Aberdeen ...	30·40	36	SE	3	cg	30·32	+ ·02	38	36	+ 8	SE	6	ogg,	6	sp, cg	1·2	39	29	0·08
	Leith	30·32	35	L	0	0	30·24	− ·02	37	36	+ 3	E	1	0	*	0	*	37	33	—
	Shields	30·30	39	NE	3	0	30·21	− ·03	39	38	0	ESE	4	r	4	p, 0	*	41	36	0·10
	Spurn Head ...	30·24	38	E	4	rv	30·15	− ·02	38	37	− 1	E	3	op	4	op, v	*	42	35	0·29
	York	30·29	35	N	1	0	30·19	− ·03	35	35	0	N	1	0	*	0	0·0	38	32	0·04
	Loughborough ...	30·27	33	N	1	bc	30·17	·00	34	34	− 1	WNW	1	ogm sp	*	bc, osp	*	38	31	0·01
	Ardrossan ...	30·29	34	NE	2	bf	30·19	− ·06	32	32	+ 2	NE	1	bm	1	bf	*	35	29	—
	Malin Head ..	30·17	35	SE	4	bm	30·08	− ·12	35	34	+ 3	E	4	b	2	bm	*	38	32	—
	Belmullet ...	30·07	37	SSE	4	0	29·94	− ·27	38	37	+ 5	SSE	4	0	*	0	*	38	29	—
	Donaghadee ...	30·25	41	E	5	bc	30·18	− ·04	40	39	+ 1	ESE	5	c	3	bc	*	42	38	—
	Liverpool (Bidston)	30·29	35	ENE	2	m	30·19	− ·03	32	32	0	SSE	1	0	?	m	*	36	29	—
	Holyhead ...	30·24	37	NE	2	b	30·15	− ·05	36	32	+ 1	ENE	1	c	1	b	*	39	30	—
	Parsonstown ...	30·15	35	SE	1	bc	30·00	− ·20	38	37	+ 21	E	2	0	*	bc	0·1	40	16	—
	Valencia ...	30·03	42	SE	5	rgm	29·82	− ·30	46	43	+ 5	SE	6	rg	5	rgm	0·0	46	39	0·30
	Roche's Point ..	30·13	45	SSE	5	c	29·95	− ·23	45	45	+ 15	SSE	7	r	5	c, r	*	45	30	0·25
	Pembroke (St. Ann's Hd.)	30·21	34	SE	4	b	30·11	− ·08	38	37	+ 3	SE	4	cg	4	b	5·0	39	34	—
	Scilly	30·17	42	ESE	3	0	30·00	− ·13	45	44	+ 4	SE	5	r	4	0	1·9	45	37	0·16
	Prawle Point ...	30·25	34	N	3	0	30·14	− ·03	40	39	+ 7	ENE	3	c	2	0	*	41	32	—
	Jersey (St. Aubin's)	30·21	41	ENE	1	cgm	30·18	+ ·05	39	37	− 2	SE	2	bm	2	b, cgm	*	44	35	—
	Hurst Castle ...	30·21	34	N	1	bm	30·16	+ ·01	31	31	− 2	NNW	1	f	1	b	*	38	29	—
	Dungeness ...	30·14	34	N	3	osg,	30·10	+ ·02	33	33	+ 1	NNW	2	s	1	osg,	*	36	30	0·06
GERMANY & HOLLAND.	North Foreland	30·18	36	N	4	r	30·13	+ ·04	35	34	− 3	SW	2	0	2	0, r	*	40	33	0·32
	London (Brixton) ...	30·18	36	NNE	2	0	30·14	− ·02	34	33	+ 2	N	1	ogrs	*	gps, bms, og	0·0	37	32	0·04
	Oxford	30·25	31	NNE	2	c	30·16	− ·02	33	33	− 1	NW	1	ow	*	og, c	*	37	31	—
	Cambridge ...	30·24	33	N	2	0	30·14	− ·01	34	33	+ 2	NNW	1	fs	*	0	1·3	37	30	0·10
	Yarmouth ...	30·14	38	NE	5	r	30·10	+ ·01	35	34	− 3	WSW	2	ofg	4	r	*	39	34	0·11
	Cuxhaven ...	30·19	32	E	5	0	30·19	+ ·13	34	34	+ 2	E	5	0	*	0, r	*	34	32	0·04
	Berlin	30·24	32	ENE	3	0	30·25	+ ·23	31	30	0	E	4	0	*	0	*	32	28	—
	Wiesbaden ...	*	*	*	*	*	30·12		34	33		NW	1	0	*	*	*	36	34	—
	Munich... ..	30·00	29	L	0	0	30·10	+ ·14	30	30	+ 5	W	4	0	*	0	*	30	25	—
	The Helder ...	30·18	34	ENE	3	0	30·15	+ ·10	32	31	− 3	E	1	s	1	0	*	36	32	0·16
BELGIUM.	Brussels ...	*	*	*	*	*	30·16	+ ·12	28	28	− 2	S	1	s	*	0	*	32	28	0·04
	Cape Gris Nez...																*			
	Paris	30·16	34	NNW	2	0	30·18	+ ·14	31	31	− 1	SW	2	c	*	0	*	34	30	—
	Brest	30·20	41	NNW	1	c	?	?	42	41	+ 3	ESE	3	r	2	c	*	45	37	—
	Lorient... ...	30·23	39	SE	2	bc	30·15	+ ·10	41	41	+ 3	SE	4	c	2	bc	*	41	37	—
FRANCE &	Rochefort ...	30·17	37	NE	2	b	30·19	+ ·12	30	30	− 6	NE	2	f	*	b	*	43	28	—
	Belfort	?	28	L	0	f	30·19	+ ·21	27	27	− 2	W	3	m	*	f	*	32	27	—
	Lyons	30·13	30	WNW	3	0	30·25	+ ·24	29	27	− 3	NNW	1	0	*	0, s	*	32	28	0·04
	Nice	29·71	49	NE	6	r	29·78	+ ·12	50	48	+ 3	SE	3	r	4	r	*	54	43	0·35
	Perpignan ...	29·98	39	NW	6	b	30·06	+ ·20	36	31	+ 1	NW	5	b	*	b	*	46	35	—
	Biarritz ...	30·15	39	E	3	b	30·15	+ ·09	30	30	− 2	ESE	3	b	2	b	*	46	30	0·04
PENINSULA.	Corunna ...																*			
	Lisbon	30·24	45	?	3	b	30·25	+ ·07	47	37	+ 4	?	3	b	*	b	*	52	37	—
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

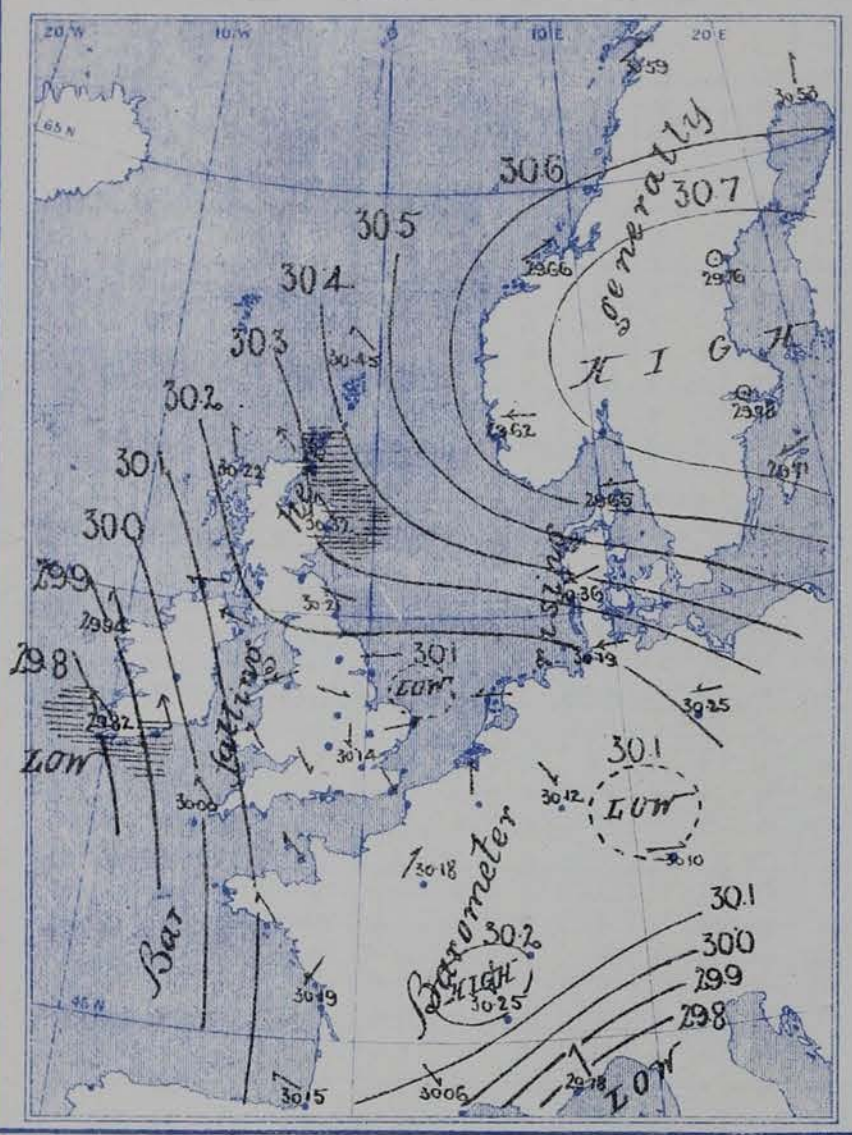
Bright Sunshine yesterday Southport 2·7 *hrs; Brighton* 0·3 *hrs; Hastings* 1·5 *hrs;* Eastbourne Not received.

WEATHER CHARTS

FOR MONDAY, 21st DECEMBER, 1896.

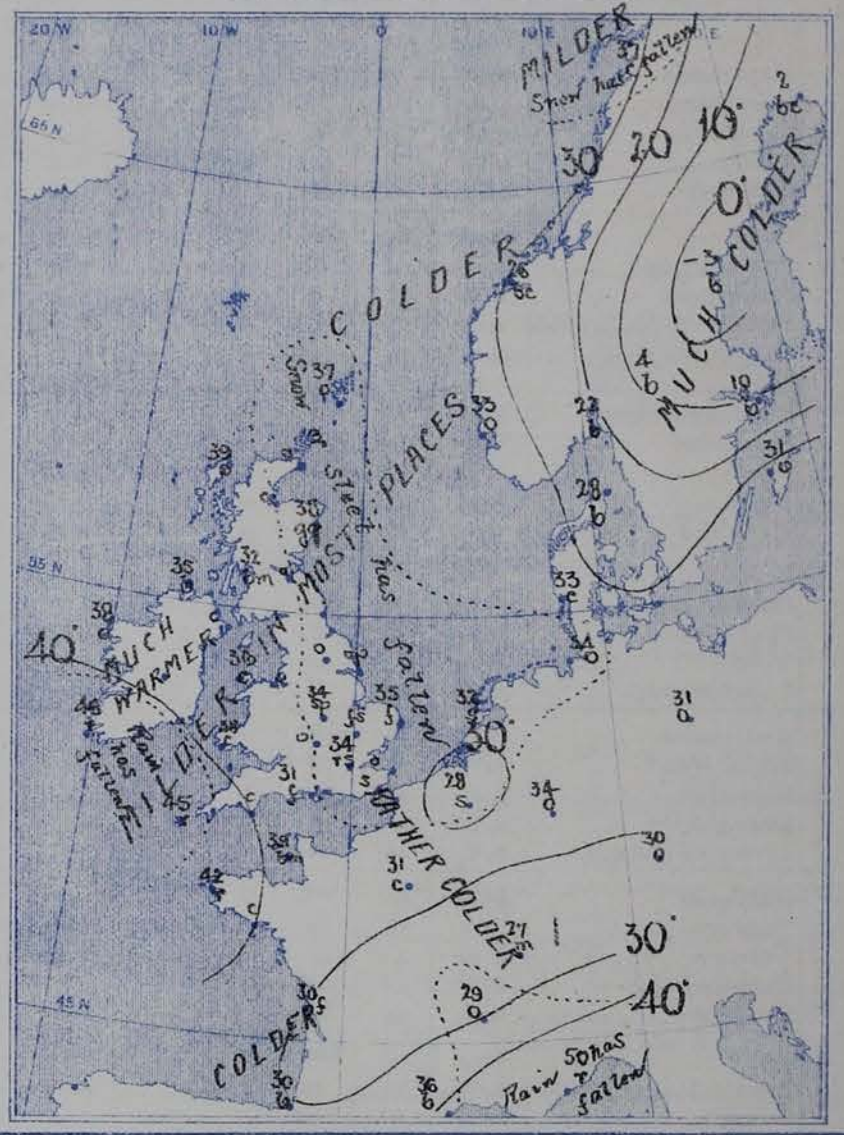
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and upwards in a large anticyclone lying over Scandinavia.
Lowest 29.8 ins. and less in a depression lying off the southwest of Ireland, and also in another disturbance over the Gulf of Genoa.
Gradients rather steep over the S. of France; moderate over Ireland and also over Denmark and the North Sea, slight elsewhere.
Barometer falling in our Islands, and also in the NW. of France; rising in most other parts of our area.

TEMPERATURE

Highest (1) 50° at Nice, (2) 46° at Valencia (Ireland), 45° at Roche's Pt. and Scilly, and 42° at Brest.
Lowest −3° F. at Hernösand, +2° at Haparanda, 4° at Karlstad, and 10° at Stockholm; lowest in our Islands, 31° at Hurst Castle.
Frost occurred last night in many parts of the United Kingdom; at Nairn the sheltered thermometer fell to 18°.

WIND

SE. by S. in the west and north of our Islands, and strong to a gale in force both in the south of Ireland, and the northeast of Scotland.
Over England and the Netherlands there was a cyclonic circulation of light winds round a shallow depression lying off the coast of Norfolk.
Variable over the S.rn parts of France; strong from the E.ward on the eastern shores of the North Sea; S. by E. or SW. over the northern parts of Scandinavia.

WEATHER

Cloudy or dull over nearly the whole of our Islands, France, Germany and the Netherlands, with rain on our SW. coasts and fog, snow and sleet in many parts of England. Snow was falling also in the Netherlands, and rain at Nice.
Fine at most of the Scandinavian and Danish stations, as well as at Biarritz & Perpignan.
Snow or sleet showers fell yesterday in many parts of Gt. Britain.

SEA

Rough at Aberdeen and rather rough at Wick, as well as off the S. of Ireland, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland is likely to spread eastwards and to occasion SE. by E. gales on most parts of our W.rn and N.rn coasts. The small shallow system off the Norfolk coast will probably disperse shortly.

FORECASTS

For the 24 hours ending at NOON on 22ND DEC. 1896.

DISTRICTS.	FORECASTS.
▼ 1 SCOTLAND NORTH ▼ SCOTLAND EAST	SE. by E. winds, increasing to a gale, dull, some snow or sleet.
2 ENGLAND N.E.	E. by S. and SE. by E. winds, freshening, unsettled, some rain or sleet.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Variable breezes, finally SE. by E.; dull, foggy or misty, sleet in places.
▼ 6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No. 2.
▼ 8 ENGLAND S.W. ▼ 9 IRELAND NORTH ▼ 10 IRELAND SOUTH	SE. by E. winds, increasing to a gale, dull, rainy.
WARNINGS	At 7 pm yesterday to districts 0, 1, 6 and 8 to 10. Hoist South Cone.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·48	33	31	E	2	b	1
Sumburgh Head							
Stornoway	30·25	40	40	S	4	bv	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·19	38	36	SE	3	b	3
Belmullet	30·10	36	34	SSE	3	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SE
Valencia							
Scilly							
Jersey	30·18	43	40	ENE	3	b	3
Hurst Castle ...							
Dungeness ...	30·12	34	34	N	3	o	2
North Foreland	30·15	37	35	N	3	o	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·13	41	39	NE	2	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

CONTINENTAL INFORMATION NOT RECEIVED.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 13TH TO 19TH DEC. 1896.

In the course of this period a gradual change occurred in the weather over our Islands and their neighbourhood, the mild changeable conditions of previous weeks being replaced by a calder and somewhat drier atmosphere.

At the commencement of the week depressions were still advancing over us from the Atlantic, and on the night of the 13th when a well marked disturbance moved eastward along the Channel and south of England, a gale from the S.wd veering to the NW.wd was experienced on many parts of our S.rn coasts, with heavy rain in many places. As this system passed on to central Europe, the barometer rose somewhat decidedly and cold N.rn winds set in over a considerable portion of our Islands. In the north, however, the weather came under the influence of a shallow depression which appeared off the N. of Scotland on the 15th, and which ultimately moved slowly southwards down our eastern coasts. A further fall of temperature now took place in the N., and spread gradually S.wds, the weather being comparatively fine in the west, but very dull in the E.rn and central districts, with fog in many places, and with occasional falls of snow or sleet. Towards the close of the week a well marked depression moved E.wd over the Bay of Biscay and France, but in the rear of this the barometer again rose generally, and an area of high pressure began to spread over our Islands from the westward, the wind being moderate from the N.wd, with a continuance of snow showers in many of the eastern districts.

After the commencement of the week temperature was everywhere low, with sharp night frosts in most parts of the Kingdom. Over Gt. Britain the maximum readings observed during the latter part of the time were usually below 40°, while at some of the inland stations the thermometer rose very little above the freezing point.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 22nd December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·62	−3	L	0	b	30·60	+ ·07	−2	−2	− 4	L	0	f	*	b	*	7	−8	—
	Hernösand ...	30·82	−4	L	0	b	30·77	+ ·01	−2	−2	+ 1	L	0	f	*	b	*	7	−6	—
	Stockholm ...	30·81	28	L	0	0	30·75	− ·03	27	26	+ 17	E	2	0	*	0	*	28	9	—
	Wisby	30·73	29	E	6	0	30·63	− ·08	27	26	− 4	SE	4	b	*	0	*	31	21	—
	Karlstad ...	30·77	16	N	2	0	30·67	− ·11	25	24	+ 21	NE	4	0	*	0	*	*	*	—
	Bodö	30·66	35	S	1	0	30·52	− ·07	28	26	− 9	E	2	b	1	0	*	37	27	—
	Christiansund ...	30·65	24	E	3	b	30·40	− ·26	25	24	− 1	ESE	1	b	3	b	*	26	21	—
	Skudesnaes ...	30·68	27	E	2	bc	30·35	− ·27	35	30	+ 2	SE	6	0	3	bc	*	35	23	*
	Færder (Christiania Fjord)	30·71	16	NE	5	m	30·58	− ·14	27	26	+ 5	NNE	6	0	2	m	*	27	16	—
	Skagen (The Scaw)	30·54	29	E	5	0	30·49	− ·16	30	28	+ 2	ESE	4	0	1	0	*	30	21	—
	Fanö	30·21	33	E	6	s	30·22	− ·14	31	31	− 2	ESE	4	0	*	s	*	33	30	0·16
BRITISH ISLANDS.	Sumburgh Head	30·38	35	SE	4	0	30·19	− ·26	36	34	− 1	SE	4	0	5	0	*	39	33	0·15
	Stornoway ...	30·20	39	SE	4	b	30·09	− ·13	37	37	− 2	SE	3	0	3	b	2·9	42	36	—
	Wick	30·26	39	SE	7	0	30·02	− ·26	37	36	− 2	ESE	6	ow	7	0	*	40	34	0·24
	Nairn	30·21	34	L	0	c	30·03	− ·25	34	34	+ 1	L	0	0	1	c, s	*	37	30	0·06
	Aberdeen ...	30·24	37	ESE	7	ogqhrp	29·96	− ·36	36	35	− 2	N	3	org	7	ogqhrp	0·0	39	34	0·35
	Leith	30·21	37	E	2	bc	29·96	− ·28	36	35	− 1	NW	1	om	*	bc	*	39	34	0·19
	Shields	30·09	40	E	3	d	29·97	− ·24	35	34	− 4	SW	2	bm	4	r, c, d	*	42	33	0·25
	Spurn Head ...	30·02	38	NE	3	0	30·04	− ·11	33	32	− 5	S	3	op	3	om, f	*	40	33	0·06
	York	30·06	35	N	1	0	30·04	− ·15	32	31	− 3	S	1	f	*	0	1·2	38	30	—
	Loughborough ...	30·09	33	W	1	0	30·06	− ·11	31	31	− 4	ESE	1	ogm	*	s, o, b, gm	*	38	29	0·01
	Ardrossan ...	30·13	35	NE	3	bm	30·00	− ·19	35	35	+ 3	L	0	of	0	cm, bm	*	38	32	—
	Malin Head ...	30·05	38	ESE	4	bc	30·01	− ·07	38	36	+ 3	E	1	b	0	b, bc	*	39	34	—
	Belmullet ...	29·96	38	ESE	4	0	30·02	+ ·08	36	35	− 2	E	2	0	*	c, o	*	39	33	—
	Donaghadee ...	30·11	41	SE	4	c	30·01	− ·17	40	39	0	NE	4	c	3	c	*	41	32	—
	Liverpool (Bidston)	30·11	33	L	0	0	30·02	− ·17	30	29	− 2	SE	1	m	?	of	*	35	28	—
	Holyhead ...	30·06	35	E	2	c	30·03	− ·12	37	35	+ 1	NE	2	ogm	1	c	*	37	32	—
	Parsonstown ...	29·96	39	SE	2	r	29·97	− ·03	37	37	− 1	L	0	0	*	or	0·0	40	36	0·04
	Valencia ...	29·78	46	ESE	1	bc	29·93	+ ·11	41	39	− 5	NE	1	c	3	c, bc	0·9	49	38	0·09
	Roche's Point ..	29·86	45	SE	1	r	29·89	− ·06	42	41	− 3	E	4	0	4	r	*	46	41	0·40
	Pembroke (St. Ann's Hd.)	29·99	39	SE	5	0	29·93	− ·18	41	40	+ 3	SE	5	ogm	4	0	0·0	41	37	0·03
	Scilly	29·88	48	S	6	0	29·83	− ·17	48	47	+ 3	WNW	1	c	4	or, o	0·0	48	43	0·17
	Prawle Point ...	30·05	41	S	4	r	29·94	− ·20	42	40	+ 2	SSE	6	r	5	cp, r	*	43	39	1·01
	Jersey (St. Aubin's)	30·12	40	S	4	ogr	30·03	− ·15	40	37	+ 1	SE	6	og	5	ogrm	*	43	38	0·01
	Hurst Castle ...	30·10	33	NE	2	om	30·04	− ·12	41	38	+ 10	S	3	c	2	op	*	42	31	0·02
	Dungeness ...	30·08	33	WNW	2	c	30·09	− ·01	39	38	+ 6	SSW	3	c	2	o, c	*	40	31	—
	North Foreland	30·10	35	W	2	0	30·11	− ·02	38	38	+ 3	SW	2	c	2	o	*	39	31	0·03
	London (Brixton) ...	30·10	35	NW	1	og	30·09	− ·05	33	32	− 1	SE	1	bm	*	pad, og, bm	0·0	36	31	0·02
	Oxford	30·11	34	WNW	1	ogm	30·06	− ·10	36	35	+ 3	SE	1	o	*	ogm	*	36	30	—
	Cambridge ...	30·08	34	W	2	om	30·09	− ·05	32	32	− 2	SW	1	om	*	om	0·0	35	27	—
	Yarmouth ...	30·01	35	W	2	ofg	30·08	− ·02	32	31	− 3	SSW	2	bm	4	ofg	*	36	29	0·03
GERMANY & HOLLAND.	Cuxhaven ...	30·15	33	SE	5	0	30·20	+ ·01	32	32	− 2	SE	1	o	*	os	*	34	32	0·08
	Berlin	30·25	32	E	3	r	30·26	+ ·01	30	30	− 1	E	3	f	*	r	*	32	28	—
	Wiesbaden ...	*	*	*	*	*	30·20	+ ·08	25	24	− 9	SW	1	o	*	*	*	36	23	—
	Munich... ..	30·18	31	W	4	s	30·12	+ ·02	30	30	0	NE	3	o	*	r	*	32	28	0·04
	The Helder ...	30·05	32	S	1	0	30·13	− ·02	32	32	0	S	1	c	1	0	*	34	30	0·20
	Brussels .. †	*	*	*	*	*	30·19	+ ·03	30	30	+ 2	S	1	f	*	0	*	34	28	—
	Cape Gris Nez...																*			
	Paris	30·21	29	S	2	b	30·17	− ·01	28	28	− 3	E	1	s	*	o, b	*	35	25	—
	Brest	29·96	46	SSE	4	r	29·89	?	45	45	+ 3	SE	4	r	5	r	*	46	37	0·95
	Lorient... ...																*			
FRANCE & BELGIUM.	Rochefort ...	30·12	36	SSE	3	f	30·02	− ·17	36	35	+ 6	SE	4	o	*	mf	*	40	32	—
	Belfort	30·21	28	W	1	m	30·10	− ·09	26	26	− 1	NE	3	m	*	m	*	30	26	—
	Lyons	30·22	30	N	3	0	30·12	− ·13	30	28	+ 1	NNW	1	m	*	0	*	34	29	—
	Nice	29·84	51	L	0	b	29·90	+ ·12	48	43	− 2	E	1	b	1	b	*	61	46	—
	Perpignan ...	30·01	41	W	3	b	30·03	− ·03	27	26	− 9	SW	2	b	*	b	*	46	26	—
	Biarritz ...	30·07	39	E	3	0	30·01	− ·14	43	40	+ 13	S	3	o	2	o	*	43	30	—
PENINSULA.	Corunna ...																*			
	Lisbon	30·17	47	W	2	b	30·22	− ·03	51	49	+ 4	NNW	3	c	*	b	*	51	46	0·04
	Azores (P. Delgada)	30·37	57	NE	4	c	30·51		53	52		NNE	3	bc	2	c	*	63	52	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·0 *hrs; Brighton* 0·0 *hrs; Hastings* 0·0 *hrs;* Eastbourne 1·4 hrs.

WEATHER CHARTS

FOR TUESDAY, 22nd DECEMBER, 1896.

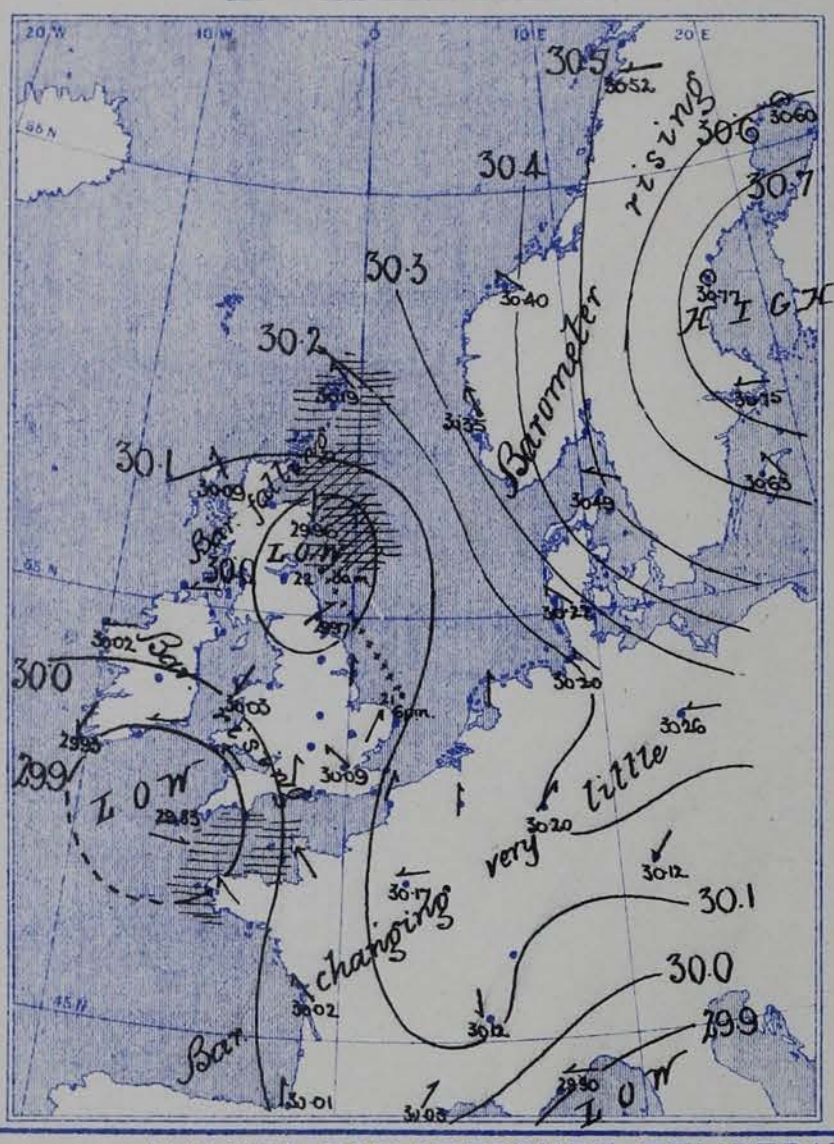
BAROMETER, WIND AND SEA.

BAROMETER– *Isobars are drawn for each tenth of an inch.*

WIND—*Arrows shew Directions and Force, flying with the wind.*

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ; *High*

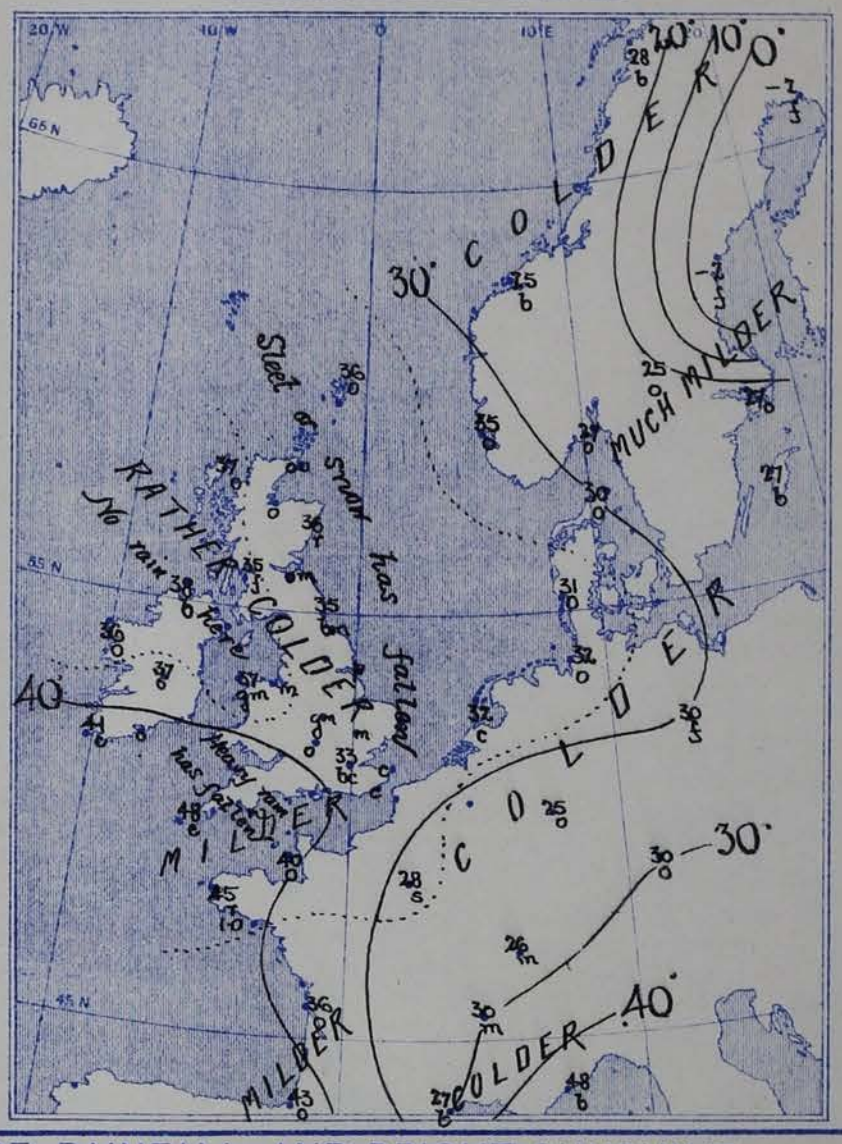


TEMPERATURE & WEATHER.

TEMPERATURE—*Isotherms are drawn for each 10°.*

WEATHER—*Shown by Letters of the Beaufort Scale.*

RAINFALL— *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and more over the E^ly parts of Sweden and exceeding 30.4 ins. over almost the whole of Scandinavia.
Lowest Below 29.9 ins. in a depression off our southwestern coast, and below 30.0 ins. in another over the southeast of Scotland.
Gradients moderate over Scandinavia, slight and very variable over our Islands.
Barometer changing very little and irregularly.

TEMPERATURE

Highest 51° at Lisbon, 48° at Sicily, and also at Nice, 42° at Roche's Pt., 40° at Jersey.
Lowest (1) – 2° F. at Haparanda and Hernösand, 25° to 28° at most of the other Scandinavian stations; (2) 25° at Wiesbaden, 26° at Belfort, 27° at Perpignan, and 28° at Paris; (3) 31° at Loughborough, 32° in London.
It had increased decidedly along the south coast of England during the day.

WIND

Very variable. SE^ly over England, and strong on our southwestern coasts; E^ly and strong in the extreme north of Scotland; E^ly, moderate to calm over Ireland, variable over France.
A strong to fresh gale had been felt in the east and north of Scotland during the night.

WEATHER

Very variable in different localities – fine and bright in some, dull or misty in others, and in a few showery.
Large quantities of rain have fallen on our southwestern coasts and at Brest. Bright sunshine recorded yesterday was 2.9 hrs. at Stornoway, and about 1 hr. at York and Valencia (Ireland) none at our other stations.

SEA

High on the east and northeast coasts of Scotland, rather rough in the southwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather though tending to improve is by no means settled.

FORECASTS

For the 24 hours ending at NOON on 23RD DEC. 1896.

DISTRICTS.	FORECASTS.
A SCOTLAND NORTH	E^ly winds, strong, dull, some rain or sleet.
1 SCOTLAND EAST	Variable breezes, finally SE^ly; some rain at first, improving temporarily later.
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	S^ly and SE^ly winds, light or moderate, changeable, some rain, rather milder.
6 SCOTLAND WEST	NE^ly winds, light, dull, some rain or sleet.
7 ENGLAND N.W.	
8 ENGLAND S.W.	SE^ly to variable breezes, some rain at first, improving temporarily later
9 IRELAND NORTH	NE^ly winds, light or moderate, fair generally.
10 IRELAND SOUTH	
WARNINGS	At 10.30 am. to districts 1, 6 and 8 to 10. Lower Cone. The signals are still flying in district 0.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·63	32	29	E	4	c	2
Sumburgh Head	30·39	38	35	SE	4	o	5
Stornoway	30·21	42	40	SE	4	b	4
Aberdeen	30·28	37	36	ESE	7	ogqhrp	7
Shields	30·16	41	40	E	3	c	4
Ardrossan	30·13	38	38	NE	4	c	2
Malin Head ...	30·05	37	35	ESE	5	b	2
Belmullet	29·93	39	38	ESE	3	c	*
Holyhead	30·09	37	35	ENE	2	cm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·74	48	45	E	6	c	5
Scilly	29·91	45	44	SSE	7	or	5
Jersey	30·13	41	40	SSE	3	o	3
Hurst Castle ...	30·14	32	31	NNE	1	om	0
Dungeness ...	30·08	35	35	NW	2	o	1
North Foreland	30·11	35	34	SW	2	o	2
London (Westminster)	30·10	37	36	N	2	ogm	*
Yarmouth ...	30·04	36	35	NNW	1	ofg	4
Rochefort ...	30·15	37	36	SE	3	m	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and quiet over Scandinavia and northern Europe, and at several of the stations clear and bright; dull and changeable over central Europe, with fog in many places, very unsettled over the British Islands — very rainy on our southwest coasts and angry looking in the north — very dull and rainy over the Mediterranean. Much rain later in the SW. of our Islands and over Brittany, considerable wet snow and rain at Aberdeen, and cold showers over our southern and northeastern districts generally.

Temperature risen over Ireland and Scotland. Morning readings highest 58° at Naples, 57° at Cagliari, 50° at Nice, 47° at Lisbon and Corunna, 46° at Valencia, 45° at Scilly, 40° at Donaghadee. Lowest −3° F. at Hernosand, +2° at Haparanda, and below 20° over many of the northern parts of Russia. Below the freezing point in many parts of Germany and France, and very little above it over England. Not touching 40° over England all day, but rising considerably on our S. coasts later.

Wind light to moderate, and anticyclonic, over Nrn. Europe, very light and variable over central Europe; N. by and light over the eastern half of England; SE. by, however, over Scotland and Ireland, and blowing strongly. A large and well-marked cyclonic circulation prevalent over the Mediterranean. The SE. by wind blowing still harder on our SWrn. and Nrn. coasts later.

Barometer highest 30.7 ins. and more to 30.5 ins. in an anticyclone over Nrn. Europe; above 30.0 ins. in a ridge extending thence over the North Sea and Scotland, and above 30.3 ins. all over Russia. Lowest below 29.5 ins. in a well marked depression over the Mediterranean, and below 29.9 ins. in another off the SW. of Ireland, and below 30.1 ins. in a shallow system near Yarmouth. The system off the SW. coast of Ireland moving SEwds.; that off Yarmouth moving NWwds.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 23rd December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA	Haparanda ...														*		*			
	Hernösand ...	30·63	18	SSW	4	0	30·53	-·24	18	16	+ 20	S	2	0	*	0	*	21	-9	-
	Stockholm ...	30·66	28	ESE	2	0	30·41	-·34	28	27	+ 1	N	2	0	*	0	*	28	25	-
	Wisby	30·49	27	S	4	0	30·34	-·29	28	26	+ 1	ESE	4	0	*	0	*	28	21	-
	Karlstad ...	30·55	26	NE	2	0	30·42	-·25	25	23	0	N	2	0	*	0	*	*	*	-
	Bodö	30·33	27	E	2	b	30·20	-·32	24	21	- 4	E	4	b	1	b	*	28	23	-
	Christiansund ...	30·34	24	ESE	1	b	30·28	-·12	33	31	+ 8	ESE	3	0	3	b	*	34	21	-
	Skudesnaes ...	30·33	31	ESE	6	0	30·25	-·10	36	33	+ 1	ESE	4	0	3	0	*	36	25	*
	Færder (Christiania Fjord)	30·50	28	NE	5	0	30·38	-·20	28	27	+ 1	NE	4	0	2	0	*	28	27	-
	Skagen (The Scaw)	30·41	30	ESE	4	0	30·33	-·16	30	29	0	ESE	2	0	?	0	*	32	?	0·04
	Fanö	30·23	31	ESE	2	0	30·18	-·04	33	33	+ 2	ESE	2	m	*	0	*	33	30	-
BRITISH ISLANDS	Sumburgh Head	30·03	35	SE	7	r	29·96	-·23	40	39	+ 4	W	2	0	6	r	*	40	35	0·22
	Stornoway ...	30·04	36	N	3	0	30·08	-·01	33	33	- 4	NNW	2	0	2	r.0	0·0	37	30	0·03
	Wick	29·91	38	W	2	r	30·03	+·01	35	34	- 2	WNW	3	b	3	r	*	42	32	0·10
	Nairn	29·97	35	WNW	2	c	30·11	+·08	35	33	+ 1	W	1	b	1	c	*	37	30	0·13
	Aberdeen ...	30·01	35	WSW	2	c	30·16	+·20	29	27	- 7	WSW	2	bm	3	gqlp.c	0·0	37	28	0·16
	Leith	30·05	33	W	2	b	30·17	+·21	33	32	- 3	WSW	3	bm	*	b	*	36	29	0·02
	Shields	30·08	35	SSW	2	m	30·19	+·22	34	33	- 1	SW	1	m	2	bcm.m	*	37	32	-
	Spurn Head ...	30·11	37	S	3	om	30·19	+·15	37	36	+ 4	NW	2	ogm	2	ogm	*	38	32	-
	York	30·09	34	S	1	m	30·22	+·18	32	32	0	S	1	f	*	orm	0·0	35	30	0·03
	Loughborough ...	30·11	37	ESE	1	o	30·22	+·16	26	26	- 5	SE	1	f	*	o	*	38	26	-
	Ardrossan ...	30·05	36	WNW	1	bc	30·17	+·17	31	31	- 4	NE	1	bf	0	o.p.bc	*	37	31	0·05
	Malin Head ...	30·05	39	NW	3	cp	30·16	+·15	35	35	- 3	S	3	b	0	c.p	*	41	35	0·01
	Belmullet ...	30·14	38	E	1	b	30·19	+·17	35	34	- 1	NNE	1	o	*	b	*	42	28	-
	Donaghadee ...	30·10	33	WNW	3	b	30·21	+·19	30	30	- 10	WNW	3	b	1	b	*	41	29	-
	Liverpool (Bidston)	30·03	35	SE	1	o	30·21	+·19	31	30	+ 1	SE	1	b	?	f.o.r	*	35	29	0·03
	Holyhead ...	30·07	38	NE	1	gmr	30·19	+·16	40	39	+ 3	NE	3	fg	2	gma.mr	*	40	35	0·16
	Parsonstown ...	30·09	34	Z	0	b	30·24	+·27	23	23	- 14	Z	0	f	*	o,b,r	0·0	38	22	-
	Valencia ..	30·07	41	NNE	1	c	30·23	+·30	31	30	- 10	SE	1	b	2	cm.b	0·2	44	27	-
	Roche's Point ..	30·04	41	ENE	4	d	30·21	+·32	36	35	- 6	N	3	b	3	d	*	45	34	0·10
	Pembroke (St. Ann's Hd.)	29·97	43	SE	5	r	30·19	+·26	38	37	- 3	E	3	ogm	4	or	0·0	43	37	0·17
	Scilly	29·94	47	NNW	1	cw	30·06	+·23	47	45	- 1	NNW	3	c	3	c	2·1	53	45	0·03
	Prawle Point ..	30·01	41	SE	4	o	30·18	+·24	41	38	- 1	SE	3	o	2	r.c	*	43	40	0·02
	Jersey (St. Aubin's)	30·04	40	SSE	5	og	30·19	+·16	36	35	- 4	NW	2	bcm	2	o.og	*	40	35	-
	Hurst Castle ...	30·06	40	SSE	2	c	30·19	+·15	36	35	- 5	NE	2	cm	1	c	*	42	35	-
	Dungeness ...	30·09	38	SSE	2	c	30·13	+·04	36	35	- 3	N	2	om	1	c	*	41	35	-
	North Foreland	30·16	37	NW	1	bc	30·17	+·06	38	37	0	N	3	o	3	c,bc	*	39	35	-
	London (Brixton) ...	30·13	36	S	1	om	30·20	+·11	31	30	- 2	W	1	f	*	cm.	0·3	42	31	-
	Oxford	30·14	36	SE	1	c	30·23	+·17	30	30	- 6	N	1	of	*	c	*	41	29	-
	Cambridge ...	30·13	35	S	1	om	30·23	+·14	32	31	0	SSW	1	om	*	c,om	1·0	40	29	-
	Yarmouth ...	30·12	37	SW	1	bc	30·17	+·09	37	36	+ 5	NW	2	cm	3	bcm	*	39	30	-
GERMANY & HOLLAND	Cuxhaven ...	30·19	30	SE	2	o	30·12	-·08	28	27	- 4	E	2	o	*	o	*	32	27	-
	Berlin	30·19	30	NE	3	o	30·12	-·14	30	29	0	E	3	o	*	o	*	32	28	-
	Wiesbaden ...	*	*	*	*	*	30·06	-·14	33	32	+ 8	SW	3	o	*	*	*	34	25	0·04
	Munich... ..	30·01	30	SE	1	o	30·01	-·11	29	29	- 1	W	3	o	*	o	*	32	28	0·04
	The Helder ...	30·17	32	ESE	1	o	30·15	+·02	34	33	+ 2	N	1	o	1	o	*	34	30	-
BELGIUM	Brussels ..	*	*	*	*	*	30·16	-·03	28	28	- 2	NNE	1	f	*	m	*	37	21	-
	Cape Gris Nez	30·13	34	S	1	m	30·13		35	34		E	1	m	1	m	*	36	30	-
	Paris	30·12	30	NE	2	o	30·11	-·06	30	29	+ 2	N	2	o	*	o	*	31	28	-
	Brest	29·95	41	ESE	3	o	30·13	+·24	38	37	- 7	ESE	2	o	3	o	*	46	34	0·08
	Lorient... ...	29·99	40	ESE	6	o	30·14		35	33		ENE	4	c	5	o	*	45	30	-
FRANCE	Rochefort ...	29·98	37	SE	4	o	30·02	·00	32	30	- 4	NE	4	c	*	o	*	39	28	-
	Belfort	30·05	26	E	4	m	30·05	-·05	27	27	+ 1	Z	0	m	*	m	*	28	25	-
	Lyons	30·07	31	NW	1	o	30·08	-·04	30	29	0	N	1	m	*	o	*	34	30	-
	Nice	29·90	48	Z	0	b	29·91	+·01	45	42	- 3	Z	0	o	2	b	*	57	45	-
	Perpignan ...	29·97	45	NW	2	b	29·99	-·04	41	39	+ 14	W	2	b	*	b	*	56	?	
	Biarritz ...	29·99	48	WSW	5	r	29·97	-·04	45	44	+ 2	Z	0	c	3	r	*	50	43	0·39
PENINSULA	Corunna ...																*			
	Lisbon	30·28	60	NNW	3	c	30·28	+·06	50	48	- 1	NNW	3	c	*	c	*	55	48	-
	Azores (P. Delgada)	30·52	55	NNE	3	c	30·50	-·01	58	52	+ 5	SSW	4	c	2	c	*	63	52	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

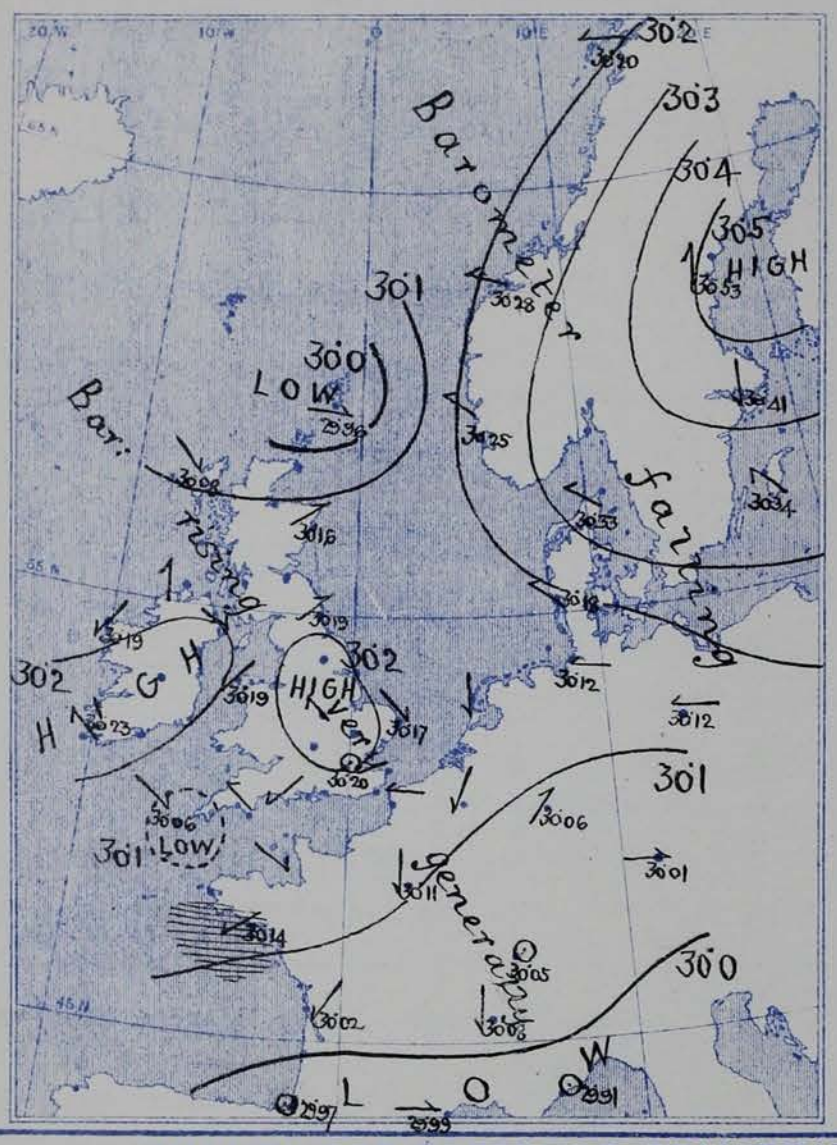
Bright Sunshine yesterday Southport 0.0 hrs; Brighton 2.4 hrs; Hastings 1.8 hrs; Eastbourne 0.2 hr.

WEATHER CHARTS

FOR Wednesday, 23rd December, 1896.

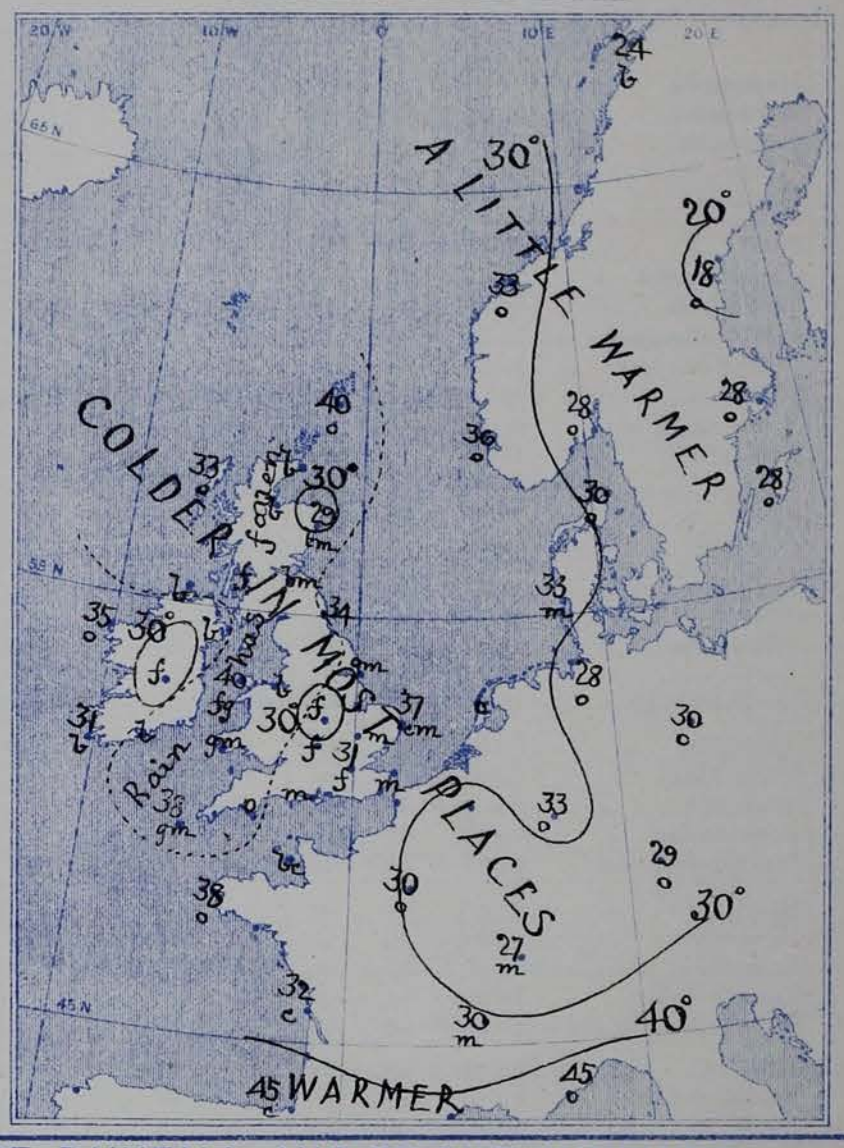
BAROMETER, WIND AND SEA.

BAROMETER. Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards, in an anticyclone over the Gulf of Bothnia; 30·2 ins: and upwards in other systems lying over Ireland and England.
Lowest, 30·0 ins: and less, in a depression lying to the northward of Scotland and also over the southern parts of France.
Gradients slight. Barometer rising in our Islands and France, but falling in Scandinavia, Denmark, and North Germany.

TEMPERATURE

Highest, (1) 47° at Scilly, 41° at Prawle Point, and 40° at Seamburgh Hd and Holyhead; (2) 45° at Nice and Biarritz, and 41° at Perpignan.
Lowest, 18° at Hernösand, 24° at Bodö, 25° at Karlstad and 27° at Belfort; lowest in our Islands 23° at Parsonstown, and 26° at Loughborough.
Frost occurred last night in many parts of the United Kingdom, the lowest readings reported being:— In the screen 22° at Parsonstown 26° at Loughborough, and 27° at Valencia; —(2) on the grass 21° at Loughborough.

WIND

Very variable over England and Ireland and also over the Netherlands and Germany.
Light from the W^d in Scotland, moderate from the E^ly or SE^ly over Norway, Denmark, and the south of Sweden.
Varying between N. and E. at most of the French stations, but calm or very variable in the extreme south of that country.

WEATHER

Foggy or misty over the greater part of our Islands, but fine and bright at several of the Scotch and Irish stations.
Cloudy or dull over the western parts of the Continent generally.
A little rain fell yesterday at several of our western and northern stations, as well as in some parts of France and Germany.

SEA

Slight or smooth generally, but rough at Seamburgh Hd and rather rough at Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The type of pressure distribution has now become anticyclonic, and cold dry foggy weather seems likely to continue for a time over nearly the whole of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 24th DEC: 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W^ly winds, light; fair generally but some fog or mist.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5.
5 ENGLAND SOUTH	Light Variable airs; cold, foggy or misty.
6 SCOTLAND WEST 7 ENGLAND N.W.	Variable or NE^ly airs; fair generally, but local fogs.
8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	Light breezes, chiefly N^ly; fair generally.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·36	38	32	ESE	6	o	4
Sumburgh Head	30·07	37	36	SE	6	r	6
Stornoway	30·04	36	36	N	3	r	3
Aberdeen	29·93	36	35	NW	3	ogqR	7
Shields	30·02	36	35	N	2	bcm	3
Ardrossan	29·99	37	37	W	0	o	0
Malin Head ...	30·01	41	39	N	1	c	1
Belmullet	30·07	42	40	ESE	3	b	*
Holyhead	30·01	38	36	ENE	2	gdm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·98	43	41	NE	2	cm	4
Scilly	29·89	50	47	W	2	c	3
Jersey	30·03	40	37	SE	5	o	4
Hurst Castle ...	30·05	42	39	S	2	c	1
Dungeness ...	30·09	40	39	SSW	3	c	2
North Foreland	30·04	37	35	SSW	2	c	2
London (Westminster)	30·09	42	40	SSW	1	cm	*
Yarmouth ...	30·09	39	38	ESE	1	bc	3
Rochefort ...	30·00	38	37	SE	3	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with mist or fog in many places. Rain falling at Aberdeen and Prawle Point and passing showers at Spurn Head; rain also reported at Copenhagen and Berlaw and snow at Paris. Fine and bright in the west of Norway and also in the southern parts of France and Italy. A little rain falling later at several of our own western and northern stations, but weather over our Islands tending to improve generally.

Temperature fallen in most countries; morning readings highest 58° at Cagliari and Malta, 56° at Syracusa, and 55° at Brindisi and La Calle; above 50° at several of the Mediterranean and Adriatic stations. Lowest −2° F at Haparanda and Hernösand, +9° at Moscow and Riga and 16° at Wirmel; below the freezing point over northern and Central Europe generally and also over Central England. Daily maxima below 40° over the northern parts of our Islands, but thermometer reaching 53° at Scilly, exceeding 55° in the extreme south of France. Frost occurring over the United Kingdom at night.

Wind rather variable in our Islands, E or NE in Ireland, and SE in most parts of Great Britain, but SW on the east coast of England; N or NW in the east of Scotland. E or SE over northern and central Europe as a whole, but calm over the northern parts of Sweden, and W over northern Russia. E or NE over Italy and the Adriatic, but NW in Spain and the extreme south of France. Subsequently becoming still more variable in our Islands, shifting to N. or NW. on our extreme northwest coasts.

Barometer highest 30·8 ins. and upwards over the Gulf of Finland and its immediate neighbourhood; 30·3 ins. + upwards in an anticyclone embracing northern and eastern Europe generally; 30·2 ins and upwards in another system lying to the southwestward of the Spanish Peninsula. Lowest 29·7 ins. and less, in a depression lying to the southward of Italy, 29·9 ins. and less, in a shallow system off our extreme southwest coasts; 30·0 ins. and less, in another shallow area over the east of Scotland. Depressions in our neighbourhood filling up later, and new anticyclone forming over the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 24th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·16	31	S	4	0	30·08		12	12		NE	0	0	*	0	*	19	-4	-
	Hernösand ...	30·24	19	SW	2	0	30·06	-·47	18	17	0	S	2	S	*	0	*	21	16	0·08
	Stockholm ...	30·27	24	N	2	S	30·18	-·23	25	24	-3	NE	0	0	*	S	*	28	23	-
	Wisby	30·23	28	ESE	4	0	30·19	-·15	29	29	+1	SSE	4	0	*	0	*	29	23	-
	Karlstad ...	30·27	25	NE	2	0	30·16	-·26	25	24	0	NE	2	0	*	0	*	*	*	-
	Bodö	30·01	28	E	4	0	29·93	-·27	33	29	+9	E	2	b	1	0	*	?	21	-
	Christiansund ...	30·08	36	NE	4	0	29·89	-·39	36	33	+3	ESE	4	bc	3	0	*	36	32	-
	Skudesnaes ...	30·21	36	E	4	0	30·10	-·15	38	36	+2	SSE	8	b	4	0	*	38	32	*
	Færder (Christiania Fjord)	30·29	29	NNE	1	S	30·17	-·21	23	22	-5	NNW	1	b	1	S	*	28	22	0·08
	Skagen (The Scaw)	30·25	32	E	1	0	30·19	-·14	31	30	+1	NE	0	0	0	0	*	32	27	-
	Fanö	30·19	32	E	2	0	30·17	-·01	31	31	-2	E	2	0	*	0	*	33	?	-
BRITISH ISLANDS.	Sumburgh Head	29·99	40	N	1	b	29·56	-·40	42	41	+2	S	6	0	7	c,b	*	43	36	0·18
	Stornoway ...	29·92	42	SSW	5	bc	29·51	-·57	43	40	+10	W	4	0	4	c,bc	0·9	43	38	0·35
	Wick	29·96	37	SW	3	bc	29·57	-·46	43	42	+8	S	4	0	4	bc	*	43	33	0·03
	Nairn	30·02	27	SW	1	b	29·60	-·51	42	40	+7	W	1	c	1	b	*	42	24	0·01
	Aberdeen ...	30·10	33	SSW	2	b	29·72	-·44	41	39	+12	S	6	ogqr	6	b	5·0	41	28	0·07
	Leith	30·13	32	NE	0	m	29·74	-·43	44	41	+11	S	6	0	*	m	*	44	29	0·02
	Shields	30·17	33	NE	0	bm	29·96	-·23	33	33	-1	S	2	cm	2	bm	*	37	28	-
	Spurn Head ...	30·20	33	NNW	3	f	30·11	-·08	33	33	-4	SSW	3	bm	3	fq	*	37	30	-
	York	30·20	30	NE	0	f	30·07	-·15	31	31	-1	S	1	bc	*	f	0·0	32	25	-
	Loughborough ...	30·24	29	W	1	b	30·16	-·06	30	29	+4	SSE	2	c	*	c,bm,f,b	*	38	22	-
	Ardrossan ...	30·11	41	SE	3	bcf	29·73	-·44	46	46	+15	S	6	r	5	bf,bcf	*	46	31	0·38
	Malin Head ...	29·99	35	S	5	bc	29·64	-·52	42	41	+7	S	4	ogp	2	bc	*	42	35	0·09
	Belmullet ...	29·98	41	S	4	b	29·69	-·51	45	45	+10	WSW	2	b	*	b	*	49	32	0·16
	Donaghadee ...	30·15	32	SW	3	b	29·78	-·43	44	44	+14	SSW	6	r	4	b	*	44	29	0·31
	Liverpool (Bidston)	30·21	33	SSE	2	0	30·03	-·18	36	34	+5	SE	3	b	2	of	*	36	29	-
	Holyhead ...	30·18	41	SW	1	of	29·94	-·25	46	45	+6	S	6	r	4	ofq	*	46	35	0·06
	Parsonstown ...	30·13	31	SE	1	bc	29·77	-·47	47	46	+24	SE	1	r	*	bc	2·2	47	22	0·27
	Valencia ...	30·11	42	SE	4	c	29·79	-·44	49	49	+18	SW	3	oq	4	c	3·7	51	28	0·61
	Roche's Point ..	30·20	38	N	1	b	29·84	-·37	48	48	+12	SSW	6	r	5	b,r	*	48	36	0·45
	Pembroke (St. Ann's Hd.)	?30·15	41	E	1	0	30·01	-·18	47	45	+9	WSW	6	0	5	0	0·1	47	38	-
	Scilly	30·16	47	SSE	4	bc	30·08	+·02	48	47	+1	S	5	or	4	o,bc	0·0	49	44	0·04
	Prawle Point ...	30·27	41	ESE	3	c	30·19	+·01	44	41	+3	SSW	5	cu	4	c	*	44	39	-
	Jersey (St. Aubin's)	30·24	39	NW	2	b	30·28	+·09	33	32	-3	NNE	1	bmw	1	c,b	*	44	30	-
	Hurst Castle ...	30·23	39	NE	1	om	30·22	+·03	40	38	+4	ESE	2	c	1	bm,om	*	42	29	-
	Dungeness ...	30·18	36	NNW	2	r	30·22	+·09	35	35	-1	NW	2	f	1	r	*	37	35	0·01
	North Foreland	30·21	40	N	3	0	30·25	+·08	33	33	-5	W	2	f	2	r,0	*	41	32	0·06
	London (Brixton) ...	30·23	34	SW	1	of	30·23	+·03	31	30	0	SW	1	b	*	ogf,o	0·0	36	28	-
	Oxford	30·29	34	WSW	1	c	30·20	-·03	31	30	+1	SSE	2	bc	*	bf,c	*	40	25	-
	Cambridge ...	30·24	32	NNW	1	b	30·21	-·02	28	28	-4	SW	1	b	*	o,b	0·0	36	26	-
	Yarmouth ...	30·18	38	NW	2	cm	30·20	+·03	27	27	-10	NNW	2	f	3	c,cm	*	39	24	-
GERMANY & HOLLAND.	Cuxhaven ...	30·17	28	S	0	0	30·17	+·05	30	30	+2	SW	1	0	*	0	*	32	27	-
	Berlin	30·13	32	NE	3	0	30·20	+·08	31	30	+1	NW	2	0	*	0	*	32	30	-
	Wiesbaden ...	*	*	*	*	*	30·21	+·15	34	32	+1	SW	2	0	*	*	*	36	32	-
	Munich... ..	30·06	30	W	2	0	30·17	+·16	30	30	+1	W	3	S	*	0	*	30	28	-
	The Helder ...	30·17	33	NE	1	c	30·21	+·06	32	31	-2	S	1	0	1	c	*	37	32	-
BELGIUM.	Brussels ...	*	*	*	*	*	30·27	+·11	27	27	-1	SE	1	0	*	S	*	32	27	0·04
	Cape Gris Nez	30·18	37	E	1	m	30·21	+·08	40	38	+5	NE	1	f	1	m	*	41	34	-
	Paris	30·19	32	N	2	0	30·27	+·16	33	32	+3	NNW	1	0	*	0	*	33	30	-
	Brest ...	30·26	42	SE	2	0	30·26	+·13	44	37	+6	SSW	4	0	2	0	*	45	34	-
	Lorient... ...	30·23	40	NNE	3	c	30·29	+·15	39	38	+4	ESE	3	c	3	c	*	39	34	-
FRANCE &	Rochefort ...	30·13	36	NE	3	0	30·27	+·25	37	36	+5	NE	3	0	*	m,0	*	37	32	-
	Belfort	30·09	29	S	0	m	30·21	+·16	30	29	+3	S	0	m	*	m	*	31	27	-
	Lyons	30·31	31	NNW	1	0	30·25	+·17	31	30	+1	NNW	1	m	*	0	*	33	30	-
	Nice	29·93	45	S	0	c	29·99	+·08	42	40	-3	S	0	bc	1	c	*	50	41	-
	Perpignan ...	30·03	48	NE	2	c	30·18	+·19	37	33	-4	NW	4	bc	*	c	*	54	36	-
	Biarritz ...	30·08	46	N	5	c	30·26	+·29	37	35	-8	ESE	3	0	2	c	*	54	34	0·20
PENINSULA.	Corunna ...																*			
	Lisbon	30·28	51	NNE	3	b	30·33	+·05	49	46	-1	NNE	5	c	*	b	*	55	48	-
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport ? hrs; Brighton 0·0 hrs; Hastings 0·0 hrs; Eastbourne 0·0.

WEATHER CHARTS

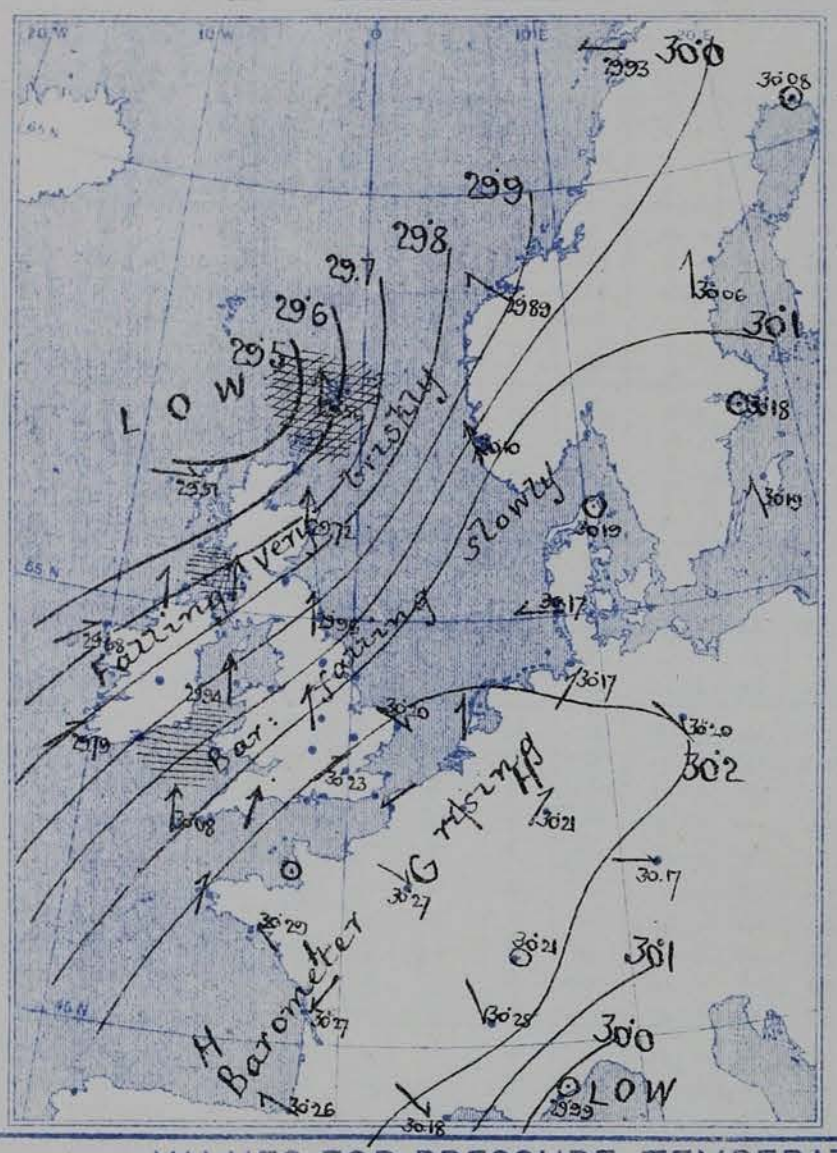
FOR *Thursday, 24th December, 1896.*

BAROMETER, WIND AND SEA.

BAROMETER—*Isobars are drawn for each tenth of an inch.*
WIND—*Arrows show Directions and Force, flying with the wind.*

Force above 10 ➛ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ➛ : *Force 1 to 4* ⟶ : }

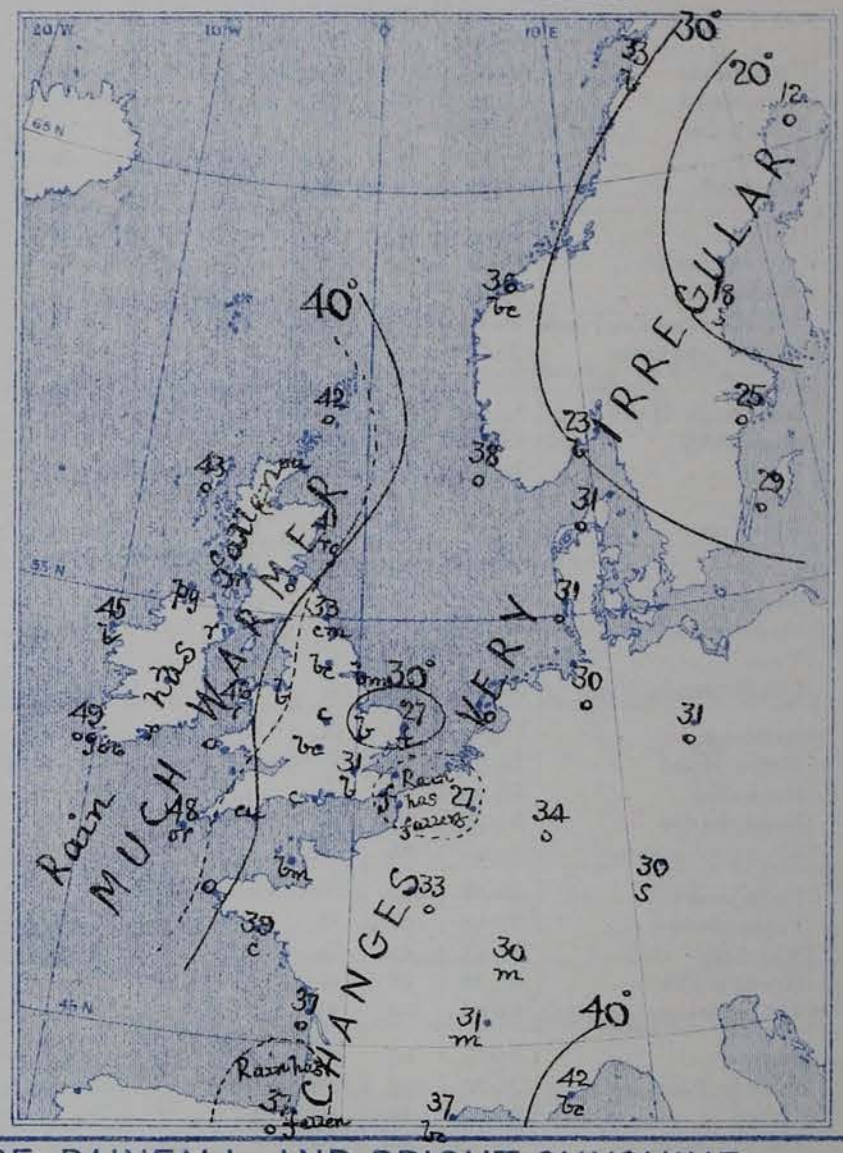
SEA—*Rough* : *High*



TEMPERATURE & WEATHER.

TEMPERATURE—*Isotherms are drawn for each 10°.*
WEATHER—*Shown by Letters of the Beaufort Scale.*

RAINFALL—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·33 in: at Lisbon; 30·2 in: and upwards in an anticyclone extending from the Spanish Peninsula over France, Germany, the Netherlands and the southeastern parts of England.
Lowest, 29·5 in: and less, in a depression lying to the northward of the Hebrides.
Gradients steep over the northern parts of the North Sea and rather steep over the west and north of our Islands, but slight elsewhere.
Barometer falling in most parts of our Islands, Scandinavia, and Denmark, but steady or inclined to rise on our extreme western coasts.

TEMPERATURE — Highest, (1) 49° at Valencia (Ireland), 48° at Roche Point and Scilly, and 47° at Parsontown and Pembroke; (2) 43° at Lisbon.
Lowest, 12° at Haparanda, 18° at Hernösand, 23° at Gefle, and 26° at Stockholm and Karlstad; lowest in our Islands 27° at Yarmouth.
Sharp frost occurred last night in many parts of Great Britain, the lowest readings reported being:—(1) In the screen 22° at Loughborough, and 24° at Nairn and Yarmouth; (2) On the grass 25° at London.

WIND — S^3 or SW^3 over the greater part of our Islands, and strong in force on many parts of our western and northern coasts; SE^3 in the west of Norway, with a gale at Skudesnaes.
Calm or variable in Sweden, Denmark, and Germany. NW^3 over the central parts of France; E^3 over the Bay of Biscay.

WEATHER — Dull and rainy in the west and north of our Islands; fine over the central and southeastern parts of England generally, but foggy on our southeast coast.
Dull at most of the Continental stations, with snow at Hernösand, but fine on the west coast of Norway.
Since yesterday morning 0·6 in: of rain has fallen at Valencia (Ireland) and 0·5 in: at Roche Pt; at our other western and northern stations the amount has been comparatively slight. A lunar halo was seen yesterday at Aberdeen.

SEA — High at Scarborough Hd and rough or rather so in several of the more exposed parts of our western and northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a rather deep depression has moved northwards along our extreme western coasts. This is now passing away to the northward, but further disturbances are likely to appear shortly in the west, and S^3 winds, with mild unsettled weather will probably spread eastwards over the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 25th DEC: 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW^3 winds, moderate, to S^3 strong; changeable, some rain, milder.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5
5 ENGLAND SOUTH	S^3 winds, freshening; fair and cold at first, then rainy and milder.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	S^3 winds, strong; mild, unsettled, rain at times.
WARNINGS	NONE ISSUED.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·25	37	33	SE	6	o	4
Sumburgh Head	29·99	41	39	W	2	c	5
Stornoway	30·02	43	42	WSW	2	c	3
Aberdeen	30·13	33	31	SW	2	b	3
Shields	30·20	35	33	W	2	bm	2
Ardrossan	30·13	37	37	NE	1	bf	1
Malin Head ...	30·10	39	37	S	2	bc	0
Belmullet	30·10	41	38	SSW	3	b	*
Holyhead	30·18	39	38	S	1	fg	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·19	40	38	SSE	2	c	4
Scilly	30·13	48	47	ESE	4	o	4
Jersey	30·20	43	41	SW	2	c	2
Hurst Castle ...	30·20	42	38	NE	1	bm	1
Dungeness ...	30·14	36	36	NNW	2	r	2
North Foreland	30·19	40	39	E	4	r	3
London (Westminster)	30·20	40	37	L	0	fg	*
Yarmouth ...	30·16	39	38	SW	2	bc	3
Rochefort ...	30·08	37	36	NE	4	m	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning foggy or misty over the greater part of our Islands, but fine and bright at some of the Irish and Scotch stations. Cloudy or dull in nearly all the Continental countries, with fog in isolated places, and rain at Hermanstadt and Palermo. Dull rainy weather setting in at night over the west and north of our Islands; fall rather heavy in the south of Ireland.

Temperature fallen in our Islands and also in Russia, changed rather irregularly elsewhere. Morning readings highest 59° at Malta, 55° at Athens and Patras, and 54° at Cagliari, Kemaura and Oran; above 50° at several of the Mediterranean stations. Lowest 1° at Moscow, 11° at St Petersburg and 14° at Haparanda and Kharkov; below the freezing point over northern and central Europe generally, and also over the central parts of the United Kingdom. Daily maxima below 40° at many of the English stations, but thermometer exceeding 45° on our southwest coasts, and exceeding 50° in the south of France. Sharp frost occurring over Great Britain at night.

Wind very variable over Ireland and England, and also over the central and southern parts of the Continent, light from the W. in Scotland; moderate from the E. or SE. over Norway, Denmark, and the Baltic. Variable over northern Russia, E. in the south of that country. S. winds setting in later over the eastern and northern parts of our Islands, and increasing to a gale in the north of Scotland at night.

Barometer highest 30·64 in. at St Petersburg; 30·2 in. and upwards in an anticyclone covering the whole of northern and eastern Europe, and also in smaller systems lying respectively over England, Ireland, and the southern parts of the Spanish Peninsula, 29·9 in. and less in small shallow depressions lying over the Adriatic and extreme south of France, 30·0 in. and less in another disturbance off the north of Scotland. New and rather deep depression appearing later off our extreme northwest coasts, where barometer fell briskly.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Friday 25th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·04	2	2	0	0	30·00	− ·08	3	2	− 9	SSE	2	0	*	0	*	23	?	—
	Hernösand ...	29·99	10	2	0	0	29·98	− ·08	17	16	− 1	2	0	f	*	0	*	21	1	—
	Stockholm ...	30·12	28	2	0	0	30·15	+ ·03	28	27	+ 3	2	0	0	*	0	*	28	21	—
	Wisby	30·15	32	W	4	0	30·20	+ ·01	30	29	+ 1	SSW	4	0	*	0	*	32	25	—
	Karlstad ...	30·08	31	WSW	2	0	30·08	− ·08	32	31	+ 7	SW	4	0	*	0	*	*	*	—
	Bodö	29·80	35	E	2	0	29·62	− ·31	36	33	+ 3	E	2	c	1	0	*	36	28	—
	Christiansund ...	29·72	38	ESE	4	0	29·63	− ·26	38	36	+ 2	2	0	0	3	0	*	38	34	—
	Skudesnaes ...	30·24	43	SSE	8	0	30·[illegible]	+ ·12	45	44	+ 7	S	8	r	5	0	*	45	30	*
	Færder (Christiania Fjord)	30·05	34	S	3	0	30·02	− ·15	35	34	+ 12	S	4	0	3	0	*	35	23	—
	Skagen (The Scaw)	30·05	33	SW	1	c	30·08	− ·11	33	32	+ 2	SSW	3	0	0	0	*	33	30	0·04
	Fanö	30·07	33	SE	2	0	30·09	− ·08	31	31	0	S	2	0	*	0	*	34	31	—
	Sumburgh Head	29·60	44	SSW	2	0	29·69	+ ·18	41	38	− 1	W	3	b	4	0	*	45	37	0·02
	Stornoway ...	29·48	42	SW	3	b	29·75	+ ·24	40	39	− 3	SW	3	0	3	b, r	0·3	46	34	0·20
	Wick	29·47	41	S	3	bc	29·77	+ ·20	39	38	− 4	W	2	b	2	bc	*	44	33	—
	Nairn	29·50	41	2	0	b	29·85	+ ·25	39	37	− 3	W	1	b	1	b	*	44	32	0·01
	Aberdeen ...	29·58	42	S	2	0g	29·92	+ ·20	35	33	− 6	SW	2	bw	2	p, g, w	0·0	42	35	0·02
BRITISH ISLANDS.	Leith	29·60	43	WSW	4	0	30·00	+ ·26	37	37	− 7	SW	1	b	*	0	*	47	36	—
	Shields	29·70	39	SSW	5	op	30·07	+ ·11	37	36	+ 4	WSW	3	c	2	r, op	*	41	32	0·27
	Spurn Head ...	29·82	38	S	5	? c	30·06	− ·05	39	38	+ 6	WNW	4	b	3	ow, r	*	41	33	0·18
	York	29·79	38	S	3	r	30·10	+ ·03	37	35	+ 6	W	1	b	*	r	0·0	42	30	[illegible]
	Loughborough ...	29·88	39	S	5	r	30·13	− ·03	37	36	+ 7	WNW	3	b	*	c, r, q, o, b	*	43	30	0·43
	Ardrossan ...	29·60	46	SSW	3	0	30·03	+ ·30	44	43	− 2	SSW	3	ow	2	0	*	46	42	[illegible]
	Malin Head ...	29·58	43	WSW	5	or	29·94	+ ·30	42	41	0	S	5	orw	3	or	*	45	40	[illegible]
	Belmullet ...	29·77	44	W	6	opq	29·99	+ ·31	45	44	0	SW	3	or	*	opq	*	47	36	[illegible]
	Donaghadee ...	29·72	45	S	4	c	30·09	+ ·31	36	36	− 8	W	4	bc	2	c	*	46	34	0·41
	Liverpool (Bidston)	29·71	40	SSE	3	0	30·14	+ ·11	38	37	+ 2	W	4	bc	3	0	*	45	35	0·52
	Holyhead ...	29·75	47	SW	4	cw	30·17	+ ·23	42	40	− 4	W	4	c	3	r, q, w, cw	*	48	38	[illegible]
	Parsonstown ...	29·80	42	SW	3	bc	30·17	+ ·40	37	36	− 10	SE	1	0	*	bc, r	0·6	49	34	[illegible]
	Valencia ...	29·96	45	W	7	cw	30·21	+ ·42	48	44	− 1	SSW	4	c	5	rw, bc, w, cw	[illegible]	51	43	[illegible]
	Roche's Point ..	29·88	46	W	4	bc	30·24	+ ·40	43	41	− 5	W	2	bc	3	bc	*	39	30	[illegible]
	Pembroke (St. Ann's Hd.)	29·83	48	WSW	6	0	30·27	+ ·26	45	43	− 2	NW	3	b	4	0	0·0	48	38	—
	Scilly	29·94	50	WNW	5	rw	30·31	+ ·23	48	45	0	NW	4	c	4	rw	0·0	52	45	[illegible]
	Prawle Point ...	29·90	47	SSW	6	r	30·29	+ ·10	39	38	− 5	NW	4	b	3	r, q, p	*	48	38	[illegible]
	Jersey (St. Aubin's)	30·12	44	SSW	5	ow	30·26	− ·02	45	41	+ 12	NW	4	b	3	o, orw	*	[illegible]	33	[illegible]
	Hurst Castle ...	29·99	46	SSW	5	ow	30·20	− ·02	38	36	− 2	WNW	3	bw	2	ow, rw	*	46	38	0·24
	Dungeness ...	30·07	43	WSW	4	c	30·07	− ·15	41	40	+ 6	NNW	4	c	3	o, c	*	44	35	0·16
	North Foreland	30·11	41	S	3	c	30·09	− ·16	41	40	+ 8	W	5	o	3	c	*	42	33	0·44
	London (Brixton) ...	30·00	41	SSW	3	o	30·15	− ·08	39	37	+ 8	NW	3	b	*	ow, r	0·0	42	30	0·30
	Oxford	29·89	42	SSW	3	r	30·18	− ·02	38	36	+ 7	NW	3	b	*	r	*	44	30	0·35
	Cambridge ...	29·98	39	S	4	r	30·13	− ·08	37	36	+ 9	NNW	3	b	*	r	0·9	42	26	0·32
	Yarmouth ...	30·00	37	S	3	bc	30·04	− ·16	39	38	+ 12	NW	3	bc	3	bc	*	39	25	0·24
GERMANY & HOLLAND.	Cuxhaven ...	30·16	32	2	0	0	30·07	− ·10	31	31	+ 1	S	2	0	*	0	*	32	28	—
	Berlin	30·22	32	2	0	0	30·20	·00	32	31	+ 1	2	0	0	*	0	*	32	30	0·04
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30·21	31	2	0	0	30·17	·00	29	29	− 1	E	2	0	*	0	*	34	28	0·04
	The Helder ...	30·15	32	S	1	0	30·02	− ·19	33	32	+ 1	S	1	0	1	0	*	34	30	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·10	− ·17	33	32	+ 6	S	3	0	*	0	*	33	27	—
	Cape Gris Nez ...	30·07	39	S	3	w	29·99	− ·22	42	41	+ 2	N	6	r	6	w	*	41	34	[illegible]
	Paris	30·25	34	SSE	2	0	30·05	− ·22	32	32	− 1	S	3	s	*	0	*	36	32	0·16
	Brest	30·04	48	SSW	4	r	30·32	+ ·06	46	46	+ 2	NNW	4	c	3	r	*	50	41	0·35
	Lorient	30·17	48	SW	6	r	30·31	+ ·02	44	41	+ 5	NW	5	b	3	r	*	48	38	0·12
FRANCE &	Rochefort ...	30·33	37	SE	3	0	30·23	− ·04	46	46	+ 9	NNW	6	c	*	0	*	?	?	0·28
	Belfort	30·24	30	SW	2	w	30·16	− ·05	30	29	0	2	0	w	*	w	*	33	30	—
	Lyons	30·30	32	NW	2	0	30·23	− ·02	31	30	0	SE	1	s	*	0	*	34	31	—
	Nice	30·08	46	2	0	0	30·08	+ ·09	43	39	+ 1	2	0	bc	2	0	*	54	41	—
	Perpignan ...	30·24	37	SW	2	b	30·22	+ ·04	41	39	+ 4	NW	4	0	*	b	*	42	36	—
	Biarritz ...	30·29	43	SW	3	0	30·25	− ·01	47	47	+ 10	SW	5	r	4	0	*	47	37	0·04
PENIN-SULA.	Corunna ...																*			
	Lisbon	30·46	49	N	3	b	30·48	+ ·15	50	48	+ 1	NNE	3	0	*	b	*	55	48	—
	Azores (P. Delgada)	30·35	61	WSW	4	bc	30·56		61	59		SW	4	c	3	bc	*	63	59	0·08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on this day.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College Westminster.*

Bright Sunshine yesterday Southport 0·0 hrs; Brighton 1·1 hrs; Hastings ? hrs; Eastbourne 0·2 hrs.

WEATHER CHARTS

FOR FRIDAY, 25TH DECEMBER, 1896.

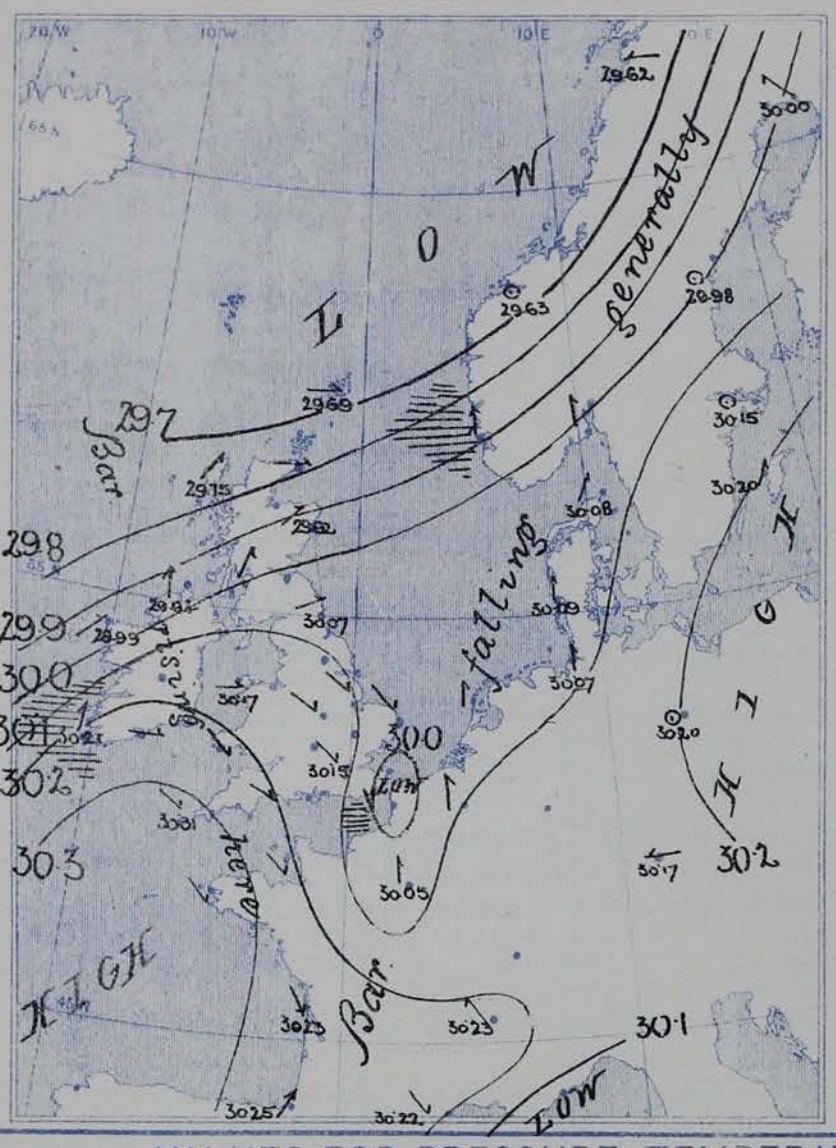
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ▤ ; *High* ▩

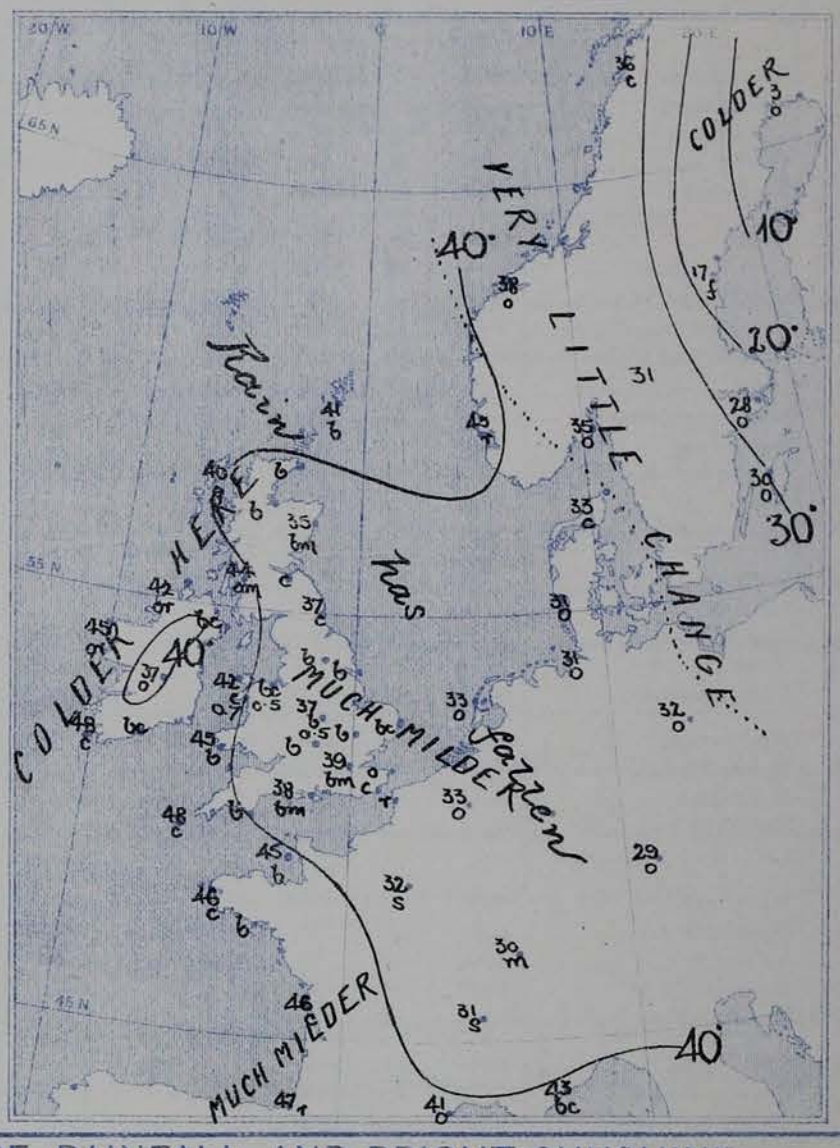


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·656	39·8	38·3	42·8	35·5	59	1885	19	1877	4·27	—	—
Stornoway	29·688	39·6	38·7	43·3	34·4	54	1880	15	1880	5·64	25·4	13
Wick	29·699	38·3	37·1	42·4	33·0	55	1889, 94	10	1880	3·17	—	—
Nairn	29·727	37·2	35·7	42·2	32·4	57	1888, 90, 91, 92, 94	10	1882	1·94	—	—
Aberdeen	29·758	37·0	35·3	42·0	32·8	58	1873	6	1882	3·11	39·9	20
Leith	29·797	38·7	37·2	44·1	33·7	58	1873, 88	6	1882	1·89	—	—
Shields	29·836	38·4	37·0	43·1	33·9	59	1873	10	1878, 79	2·32	—	—
Spurn Head	29·870	38·9	37·8	42·6	35·4	55*	1888	19*	1891	2·05	—	—
York	29·886	36·6	35·6	42·5	32·4	59	1888, 91	0	1879	2·21	26·5	12
Loughborough	29·922	36·4	35·4	43·0	32·3	59*	1888	7*	1890	2·24	—	—
Ardrossan	29·809	40·3	39·1	44·7	36·2	55	1880	15	1879	3·66	—	—
Donaghadee	29·840	40·4	39·5	45·8	36·3	56	1885, 88, 94	20	1879	2·85	—	—
Holyhead	29·876	42·8	41·2	46·5	39·2	56	1872, 88	25	1874	3·83	—	—
Liverpool	29·891	39·0	37·3	43·8	35·7	59	1891	13	1878	2·62	—	—
Parsonstown	29·891	38·3	37·0	45·1	33·5	58	1877	8	1878	3·09	45·0	20
Valencia	29·900	45·0	42·9	49·9	40·4	57	1884, 88	24	1886	5·93	43·9	19
Roche's Point	29·908	43·5	42·1	48·2	39·4	58	1873	25	1882	5·16	—	—
Pembroke	29·914	43·9	42·6	47·0	40·5	55	1876	19	1890	3·96	46·0	20
Scilly	29·950	47·4	45·5	49·8	43·6	57	1876	30	1890	4·00	—	—
Prawle Point	29·970	42·8	41·4	47·3	38·5	55*	1881, 88	25*	1885, 87, 90	3·77	—	—
Jersey	29·993	43·5	41·7	47·7	39·7	61	1876	19	1871	3·76	62·6	25
Hurst Castle	29·962	40·9	40·1	45·9	36·7	58	1876	19	1890	2·77	—	—
Dover	29·954	40·0	38·9	44·7	35·9	56	1880	12	1890	2·79	—	—
LONDON	29·956	38·0	36·8	44·3	34·0	58	1873, 88, 91	11	1878	2·11	11·8†	5†
Oxford	29·956	37·1	36·0	43·2	33·6	58	1888	6	1878	2·10	41·8	18
Cambridge	29·941	36·4	35·6	43·2	31·6	59	1878, 88	0	1879	1·82	41·2	18
Yarmouth	29·915	38·1	37·1	42·2	33·8	56	1873	15	1879	2·53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest (1) 30.4 ins. and more to 30.2 ins. in an anticyclone spreading in from the Atlantic over Spain and France; (2) exceeding 30.2 ins. over the Baltic and N. Germany, and still higher over Russia. Lowest Below 29.7 ins. in the Shetland Islands and the NW. of Norway, and below 30.0 ins. in a secondary system over Belgium.

TEMPERATURE — Highest 50° at Lisbon, 48° at Scilly and Valencia (Ireland), 45° at Jersey and Pembroke, 44° at Glasgow. Lowest (1) 3° at Haparanda, 19° at Hernösand, 28° at Stockholm; 29° at Munich, and below the freezing point over central France.
The maxima recorded yesterday exceeded 50° on our extreme SW. coasts, and ranged between 41° and 44° over the greater part of England.

WIND — S. 2, moderate to light over Ireland, SW. 2 to W. 2 over Scotland; but S. 2, a gale at Shoeburyness, E. 2 at Bodö.
Over England and the Bay of Biscay the wind was NW. 2 to N. 2, moderate to fresh.

WEATHER — Fine and bright (temporarily) over Gt. Britain and the E. of Ireland; dull, rainy and very unsettled on our extreme NW. coasts; unsettled, with rain and snow over Belgium and the E. of France, rain at Biarritz and Lisbon.
Rain had fallen very generally during some part of the preceding 24 hours, and at Liverpool the fall was nearly 0.7 in. Bright Sunshine recorded yesterday was very slight at all stations.

SEA — Rather rough in the far W., moderate to slight in most other places, smooth on our NE. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 26TH DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, **at first from** the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, **at first from** the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.94	40	37	SSE	8	o	5
Sumburgh Head	29.51	45	44	SSW	4	o	6
Stornoway	29.46	46	45	SSE	3	b	3
Aberdeen	29.63	41	40	SSW	2	ogm	4
Shields	29.80	37	37	SSW	3	r	2
Ardrossan	29.81	46	46	S	5	o	5
Malin Head ...	29.56	45	44	SSW	4	o	2
Belmullet	29.65	47	45	WSW	3	cp	*
Holyhead	29.77	46	45	SSW	7	rqsm	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.80	51	48	SW	4	bcm	5
Scilly	29.94	50	50	SSW	5	r	5
Jersey	30.17	44	41	S	4	o	3
Hurst Castle ...	30.10	45	42	SSW	4	ou	3
Dungeness ...	30.11	44	42	SW	3	o	2
North Foreland	30.15	41	37	N	2	bc	2
London (Westminster)	30.10	43	40	SSW	2	om	*
Yarmouth ...	30.09	37	35	SSW	3	bc	3
Rochefort ...	30.26	38	37	SE	2	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Spain the SW. of France and the Sth. shores of the Mediterranean, as well as in the NW. of Norway; cloudy or overcast elsewhere, and very unsettled in the W. and N. of the British Islands, where rain fell generally. Rain falling later in all parts of the United Kingdom — the amounts being considerable in many places, but the falls separated by intervals of bright weather.

Temperature risen rapidly over our Wn. and Nn. districts — as much as 24° at Parsonstown. Morning readings highest, 56° to 50° at several of the Mediterranean stations; 49° at Lisbon and at Valencia (Ireland), 46° at Holyhead, 43° at Stornoway. Lowest (1) −7° at Moscow, +2° at Haparanda, 10° at Kuopio, and much below the freezing point over Russia, Finland and Sweden generally; (2) 27° at Brussels, and ranging between 30° and 34° over the greater part of central Europe; (3) 27° at Yarmouth, 31° at York, Oxford and in London. Rising later to rather above 50° on our SW. coasts and to between 40° and 44° over the greater part of England.

Wind (1) very light and anticyclonic over Russia, the Baltic and the central and SWn. parts of Continental Europe, (2) light to moderate but cyclonic over the Mediterranean, (3) S. over the British Islands and blowing strongly at the Irish and Scotch stations; SE. light to moderate in the NW. of Norway. Shifting to W. and NW (temporarily) over the British Islands later, and blowing strongly.

Barometer (1) highest 30.5 ins and more to 30.2 ins in an anticyclone over Russia; (2) 30.3 ins. and more to 30.2 ins. in another spreading NEwds. from the Iberian peninsula to France and the Netherlands. Lowest, below 29.6 ins. over the Shetlands and N. of Scotland, and below 30.0 ins in a shallow but complex disturbance over the Mediterranean. A "V" shaped disturbance moving Ewds. across the British Islands later, followed by a decided rise of the barometer.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 26th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.88	27	SSW	3	S	29.69	-.31	30	30	+27	SSW	2	0	#	S	#	27	3	0.04
	Hernösand ...	29.89	31	SW	4	0	29.71	-.27	34	33	+17	S	4	0	#	0	#	34	7	-
	Stockholm ...	30.17	30	W	0	0	30.07	-.08	34	33	+6	SSW	2	0	#	0	#	?	27	-
	Wisby	30.25	30	W	4	S	30.24	+.04	34	33	+4	SSW	4	0	#	S	#	?	25	0.04
	Karlstad ...	30.10	33	SSW	4	0	29.99	-.09	36	35	+4	S	6	r	#	0	#	#	#	-
	Bodö	29.60	33	W	2	0	29.30	-.32	38	36	+2	E	2	c	1	0	#	38	30	-
	Christiansund ...	29.62	39	SW	3	b	29.48	-.15	43	39	+5	WSW	9	c	6	b	#	43	37	0.08
	Skudesnaes ...	29.87	43	S	8	0	29.85	?	45	44	0	S	6	0	5	0	#	45	34	#
	Færder (Christiania Fjord)	30.04	34	S	4	0	29.89	-.13	39	39	+4	S	6	0	4	0	#	39	34	-
	Skagen (The Scaw)	30.06	39	SW	3	c	30.06	-.02	39	39	+6	WSW	8	0	3	r	#	39	32	0.08
	Fanö	30.16	36	SW	2	m	30.17	+.08	37	37	+6	SW	4	0	#	m	#	37	32	-
BRITISH ISLANDS.	Sumburgh Head	29.38	43	S	6	0	29.54	-.15	45	44	+4	SSW	3	0	6	0	#	46	41	0.07
	Stornoway ...	29.50	45	WSW	4	cu	29.43	-.32	50	49	+10	SW	6	0	6	c	0.0	50	38	0.57
	Wick	29.50	39	SSW	8	0	29.49	-.28	47	46	+8	SW	4	bcu	4	0	#	47	36	0.02
	Nairn	29.60	44	WNW	3	r	29.56	-.29	52	50	+13	SSW	2	c	1	r	#	52	36	0.09
	Aberdeen ...	29.74	41	SSW	7	ogqu	29.69	-.23	48	47	+13	SW	5	ogq	4	ogq	0.0	49	35	-
	Leith	29.82	44	SW	5	r	29.77	-.23	52	50	+15	W	0	0	#	r	#	52	37	0.07
	Shields	30.01	41	SW	3	c	29.88	-.19	49	48	+12	SSW	2	0	2	c, r	#	50	37	-
	Spurn Head ...	30.18	41	SW	3	0	30.06	.00	44	44	+5	SSW	5	r	4	0	#	44	38	0.03
	York	30.16	42	S	2	c	29.98	-.12	45	44	+8	S	1	m	#	c	?	45	36	0.01
	Loughborough ...	30.25	41	WSW	2	c	30.13	.00	47	46	+10	SW	5	rq	#	bc, oq, r	#	47	37	0.08
	Ardrossan ...	29.87	47	SSW	5	r	29.76	-.27	49	49	+5	SSW	4	up	4	r	#	49	43	0.35
	Malin Head ...	29.74	48	SSW	9	or	29.74	-.20	50	49	+8	S	6	om	3	o, r	#	50	42	0.11
	Belmullet ...	29.89	49	SW	7	o,	29.74	-.25	51	51	+6	WSW	7	o	#	om	#	51	43	0.20
	Donaghadee ...	29.95	46	WSW	6	c	29.85	-.24	50	50	+14	SW	5	c	3	c	#	50	34	0.06
	Liverpool (Bidston)																#			
	Holyhead ...	30.14	47	SW	4	bcm	30.00	-.17	49	48	+7	SW	6	gmr	4	bcm	#	49	40	0.61
	Parsonstown ...	30.06	48	SSW	3	o	29.94	-.23	53	52	+16	S	2	or	#	oq	0.0	53	36	0.12
	Valencia ...	30.12	50	S	5	mgr	30.00	-.21	53	53	+5	SSW	5	om	5	gmr	0.0	54	46	0.20
	Roche's Point ..	30.20	49	SW	4	c	30.08	-.16	51	51	+8	SSW	5	r	4	c, r	#	51	43	0.10
	Pembroke (St. Ann's Hd.)	30.24	48	W	5	o	30.13	-.14	50	49	+5	WSW	5	fd	4	c, o	2.5	50	45	0.30
	Scilly	30.34	49	SW	4	o	30.26	-.05	51	51	+3	SW	5	f	4	o	3.3	51	44	0.04
	Prawle Point ...	30.39	46	W	4	c	30.32	+.03	49	49	+10	WSW	6	mru	5	c, m	#	48	38	0.03
	Jersey (St. Aubin's)	30.40	44	WNW	2	b	30.45	+.19	46	45	+1	SSW	4	om	3	b	#	48	37	-
	Hurst Castle ...	30.34	43	SW	1	bm	30.31	+.11	46	46	+8	SW	5	opm	3	bm	#	47	36	-
	Dungeness ...	30.30	37	WNW	2	c	30.32	+.25	47	47	+6	SW	5	o	4	c	#	47	36	-
	North Foreland	30.29	38	NW	4	b	30.33	+.24	46	44	+5	SSW	3	o	2	b	#	46	36	-
	London (Brixton) ...	30.30	40	WSW	1	o	30.29	+.14	47	45	+8	SW	4	c	#	b, o, bcq	2.3	47	38	-
	Oxford	30.34	41	SW	2	o	30.24	+.06	47	46	+9	SSW	3	r	#	b, o	#	47	37	0.05
	Cambridge ...	30.30	37	SW	1	o	30.22	+.09	46	45	+9	SSW	5	o	#	b, o	4.4	46	34	0.01
	Yarmouth ...	30.23	37	W	2	bc	30.20	+.16	41	40	+2	SSW	3	c	3	bc	#	42	35	-
GERMANY & HOLLAND.	Cuxhaven ...	30.22	32	S	2	o	30.28	+.21	39	?	+2	SW	4	o	#	o, r	#	34	30	-
	Berlin	30.34	33	SW	2	o	30.45	+.25	34	33	+2	SW	1	o	#	o	#	34	32	0.04
	Wiesbaden ...	*	*	*	*	*									#	*	#			
	Munich... ..	30.32	31	W	0	o	30.51	+.34	33	31	+4	W	2	o	#	o	#	33	28	-
	The Helder ...	30.23	40	WSW	2	o	30.27	+.25	39	38	+6	SSW	2	bc	1	o	#	41	33	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.49	+.39	32	32	-1	SSW	2	o	#	o	#	36	31	-
	Cape Gris Nez...																#			
	Paris	30.37	35	SW	1	o	30.52	+.47	31	31	-1	S	2	f	#	o	#	38	31	0.12
	Brest	30.45	48	W	2	o	30.43	+.11	50	47	+4	S	3	o	4	o	#	50	43	-
	Lorient... ...	30.46	47	W	2	bc	30.49	+.18	47	46	+3	WSW	4	c	2	bc	#	50	43	-
FRANCE &	Rochefort ...	30.46	46	WNW	5	b	30.57	+.34	38	38	-8	S	2	f	#	b	#	48	34	-
	Belfort	30.32	31	E	3	o	30.53	+.37	30	30	0	W	0	m	#	o	#	35	30	-
	Lyons	30.22	33	N	1	o	30.54	+.31	31	30	0	WNW	2	o	#	S, o	#	36	30	0.16
	Nice	30.11	44	W	0	b	30.27	+.19	40	35	-3	E	2	b	1	b	#	48	39	-
	Perpignan ...	30.25	45	NW	4	o	30.44	+.22	46	40	+5	NW	4	b	#	o	#	50	41	0.04
	Biarritz ...	30.46	50	N	6	o	30.54	+.29	41	?	-6	SSW	1	c	5	o	#	?	39	?
PENINSULA.	Corunna ...																#			
	Lisbon	30.54	54	NW	4	b	30.57	+.09	50	47	o	N	1	b	#	b	#	59	48	-
	Azores (P. Delgada)	30.23	60	SSW	4	o	30.23	-.33	60	57	-1	SSW	4	o	2	o	#	64	59	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

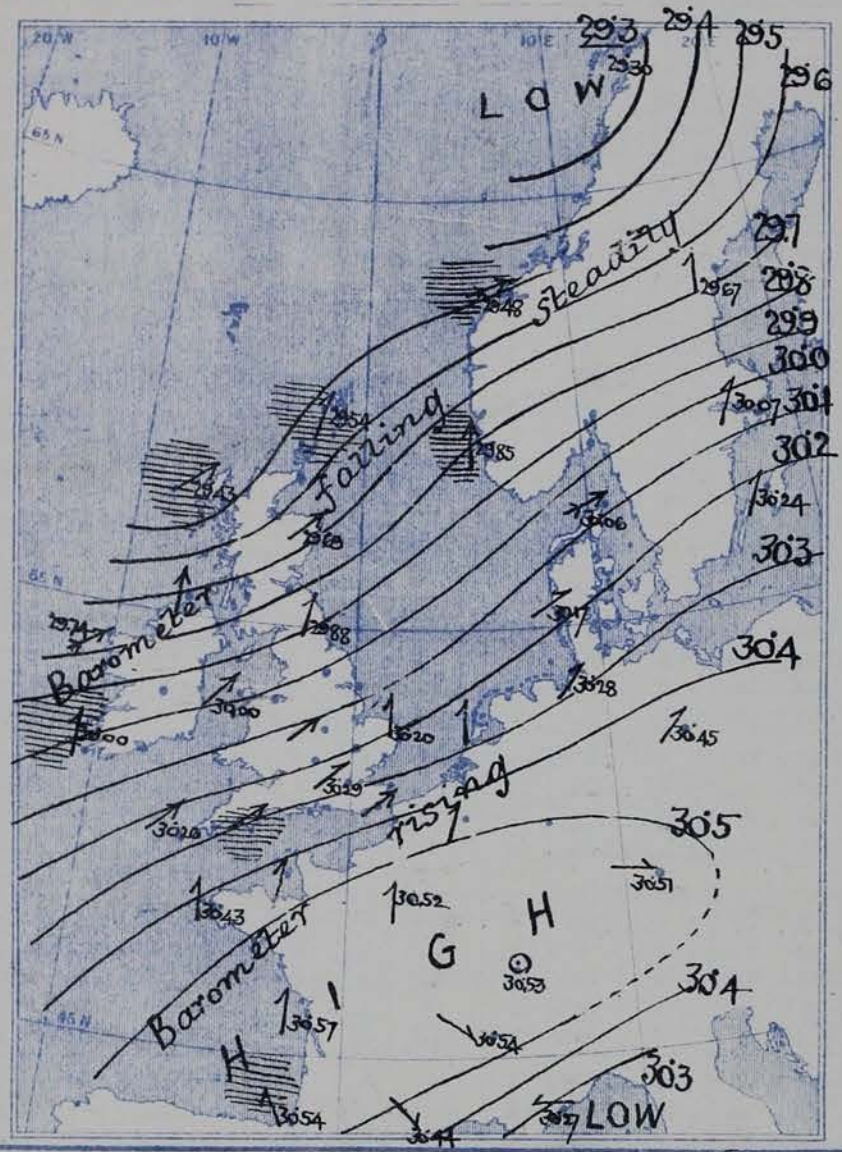
Bright Sunshine yesterday Southport 1.4 hrs; Brighton ? hrs; Hastings 4.6 hrs; Eastbourne 5.8 hrs.

WEATHER CHARTS

FOR Saturday, 26th December, 1896.

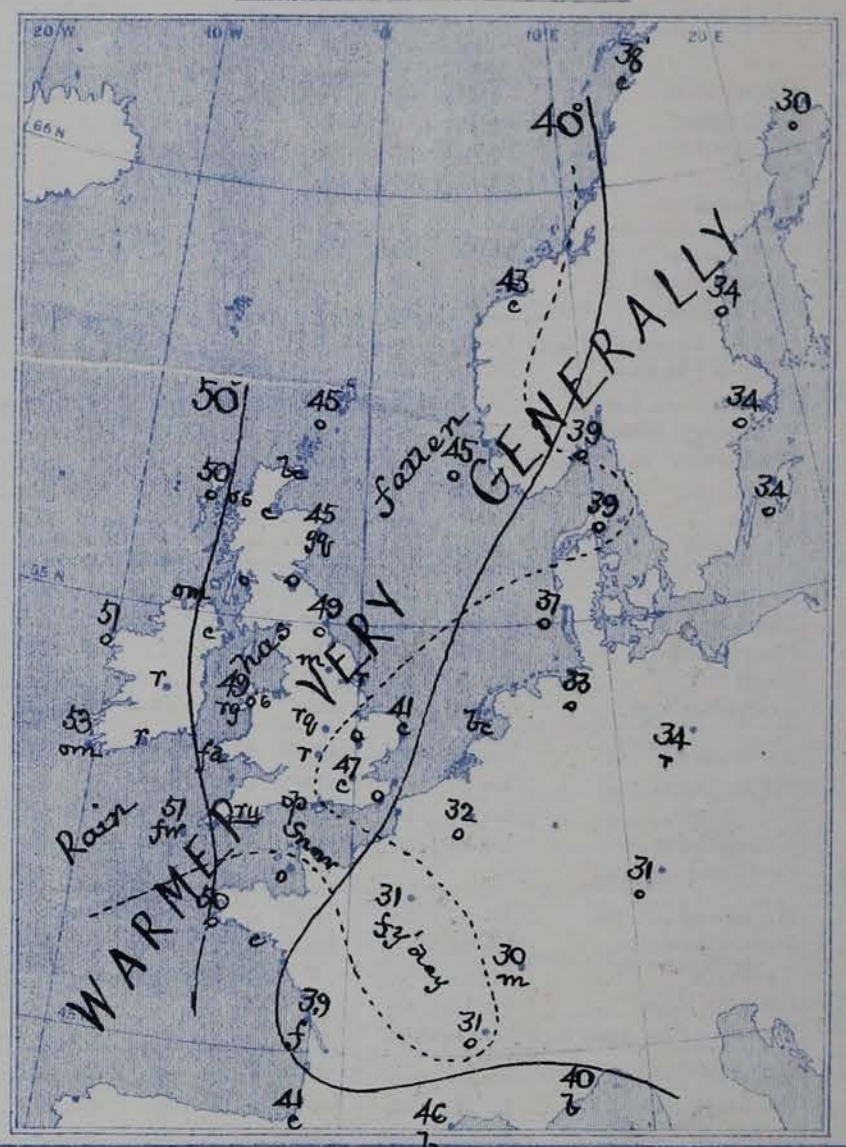
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 in. and more to 30·3 in. over Spain, the Bay of Biscay, France, and Germany.
Lowest, Below 29·3 in. off the coast of Finmark, and below 29·5 in. over the north of Scotland.
Gradients steep over our Islands, and mainly favourable for SW. winds.
Barometer rising over France, still falling over the United Kingdom, most in the west and northwest.

TEMPERATURE

Highest, 53° to 50° on our extreme west and southwest coasts, 49° at Holyhead, Aldrossan and Shields, 47° over England.
Lowest, 30° to 31° over Central France, 33° at Munich and Fetterhorn, 34° at Berlin, Wisby, Stockholm, and Hernösand.
It is now very high for the time of year in all parts of the British Islands, and inclined to rise over England.

WIND

S. to SW. all over the United Kingdom and the North Sea, blowing rather strongly on our northwest coasts, and a gale in the Skager Rack — in the south it is moderate to fresh.
A strong gale from SW. was experienced in the northeast of Scotland last night, and strong SW. breezes generally.

WEATHER

Very unsettled, squally, showery, and gloomy, with thick mists in many places.
Rain has fallen at all our northern and western stations and in some parts of France.
Bright Sunshine recorded yesterday was from 2 to 6 hrs over our southern and southeastern districts, but none at the Irish and Scotch stations.

SEA

Rough in the far north, rather so at some of our western and southwestern stations, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is in a most unsettled condition generally, and further gales from S. and SW. are probable, especially in the west and north. The south cone is flying in all these regions.

FORECASTS

For the 24 hours ending at NOON on 27th DEC: 1896.

DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH ↑ 1 SCOTLAND EAST ↑ 2 ENGLAND N.E.	SW. winds, strong to a gale; rainy, unsettled.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. winds, moderate to strong; rainy, unsettled
↑ 6 SCOTLAND WEST ↑ 7 ENGLAND N.W. ↑ 8 ENGLAND S.W. ↑ 9 IRELAND NORTH ↑ 10 IRELAND SOUTH	S. and SW. winds; rainy, squally, mild.
WARNINGS	At 7·25 pm yesterday to districts 0 to 2 and 6 to 10. HOIST SOUTH CONE

Note.—The **South Cone**, *point downwards* (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·88	43	43	S	8	rf	5
Sumburgh Head							
Stornoway	29·50	45	44	rSr	5	c	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·73	44	43	SSr	9	o	5
Belmullet	29·90	49	48	Sr	7	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·38	47	43	WNW	4	b	8
Hurst Castle ...							
Dungeness ...	30·18	37	37	NNW	3	c	2
North Foreland	30·26	42	41	W	4	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·06	47	45	N	6	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Swedon, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 27th Dec. 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.49	25	2	0	b	29.66	−.63	33	33	+ 3	S	6	r	*	b	*	32	23	0.20
	Hernösand ...	29.63	35	S	6	o	29.17	−.54	39	37	+ 5	SW	4	c	*	o	*	39	28	—
	Stockholm ...	29.96	37	SW	2	o	29.59	−.50	37	36	+ 3	S	4	o	*	o	*	37	28	0.08
	Wisby														*		*			
	Karlstad ...	29.83	37	SSW	6	o	29.47	−.52	39	37	+ 3	SSW	6	o	*	o.r	*	*	*	0.08
	Bodö	29.22	40	SW	6	o	28.69	−.63	41	39	+ 3	S	2	o	2	o	*	41	36	0.24
	Christiansund ...	29.04	45	WSW	4	r	28.99	−.49	40	37	− 3	WSW	9	r	8	r	*	45	37	0.32
	Skudesnaes ...	29.44	44	S	9	r	29.39	−.46	39	38	− 6	W	9	r	6	r	*	46	39	*
	Færder (Christiania Fjord)	29.75	39	S	6	f	29.45	−.44	42	41	+ 3	SW	7	b	6	f	*	42	39	0.08
	Skagen (The Scaw)	29.82	40	SSW	8	r	29.63	−.43	42	42	+ 3	W	5	o	2	r	*	48	37	0.16
	Fanö	29.98	38	SW	6	r	29.81	−.36	41	41	+ 4	WSW	6	c	*	r	*	41	37	0.51
BRITISH ISLANDS.	Sumburgh Head	28.96	48	SSW	6	r	29.44	−.10	40	38	− 5	WNW	8	o	8	r	*	49	40	0.29
	Stornoway ...	29.16	48	W	8	c	29.77	−.34	38	37	− 12	NW	5	s	5	c	0.0	51	31	0.60
	Wick	29.18	50	W	8	o	29.68	+.19	38	37	− 9	NW	6	cw	5	o	*	55	33	0.25
	Nairn	29.26	49	SSW	3	o	29.80	+.24	38	36	− 14	WSW	3	b	3	o	*	56	33	0.26
	Aberdeen ...	29.36	49	SW	9	bq	29.89	+.20	36	33	− 12	SW	1	bm	3	b	0.1	55	36	0.04
	Leith	29.54	50	SW	7	bc	30.00	+.23	39	37	− 13	WSW	5	bc	*	p.bc	*	58	37	0.11
	Shields	29.65	53	SW	7	cp	30.09	+.21	39	38	− 10	W	3	bc	2	p.c	*	54	37	—
	Spurn Head ...	29.86	51	SSW	6	c	30.16	+.10	42	39	− 2	W	5	b	4	o.cp	*	51	41	0.01
	York	29.82	55	SW	4	o	30.20	+.22	40	38	− 5	W	1	b	*	o	0.0	55	40	—
	Loughborough ...	30.01	52	SW	4	c	30.24	+.11	41	38	− 6	W	4	b	*	r.c.o.bq	*	53	41	0.14
	Ardrossan ...	29.59	51	WSW	8	cp	30.03	+.27	43	42	− 6	W	4	bc	4	c	*	52	40	0.20
	Malin Head ...	29.51	48	SSW	8	oq	30.09	+.45	41	40	− 9	WSW	5	c	5	o.hq	*	53	38	0.13
	Belmullet ...	29.80	49	WSW	6	o	30.19	+.45	48	42	− 8	WSW	2	or	*	o	*	52	40	0.20
	Donaghadee ...	29.74	52	SW	8	o	30.17	+.32	37	37	− 13	W	6	b	5	o	*	55	36	0.02
	Liverpool (Bidston)	29.90	53	SW	6	o	30.24		42	40		W	5	b	5	o	*	55	41	0.05
	Holyhead ...	29.93	50	SW	7	oqmq	30.27	+.27	44	42	− 5	W	4	bcm	3	o	*	50	41	0.02
	Parsonstown ...	29.93	53	NW	4	o	30.29	+.35	37	36	− 16	S	1	c	*	o	0.0	55	36	0.03
	Valencia ...	30.09	52	SW	6	omqq	30.34	+.34	49	47	− 4	SW	2	c	6	o	0.0	55	44	0.02
	Roche's Point ..	30.09	52	W	5	c	30.38	+.30	43	42	− 8	WNW	1	c	4	c	*	53	41	0.10
	Pembroke (St. Ann's Hd.)	30.08	50	W	6	r	30.37	+.24	47	44	− 3	WNW	4	b	4	r	0.0	50	45	0.04
	Scilly	30.24	52	WSW	4	r	30.44	+.18	50	50	− 1	WNW	4	o	6	r	0.0	53	48	0.03
	Prawle Point ...	30.26	50	W	6	f	30.45	+.13	43	42	− 6	WNW	3	bc	2	f	*	50	38	0.04
	Jersey (St. Aubin's)	30.36	50	SW	3	oa	30.47	+.02	47	46	+ 1	WSW	2	bm	2	o	*	50	45	0.13
	Hurst Castle ...	30.23	48	WSW	5	am	30.38	+.07	42	41	− 4	W	1	bcm	2	r	*	48	41	0.10
	Dungeness ...	30.21	47	SW	6	r	30.26	−.06	43	43	− 4	W	3	c	2	r.f	*	48	43	0.03
	North Foreland	30.22	47	SSW	4	r	30.30	−.03	45	44	− 1	W	4	c	3	r	*	48	43	0.10
	London (Brixton) ...	30.18	51	SSW	2	opa	30.32	+.03	43	41	− 4	W	2	bm	*	opa.b	0.0	51	42	0.14
	Oxford	30.11	53	SW	3	o	30.34	+.10	41	39	− 6	WSW	3	b	*	r.o	*	53	41	0.22
	Cambridge ...	30.10	51	SSW	4	o	30.27	+.05	42	40	− 4	W	2	b	*	o	0.0	54	41	0.13
	Yarmouth ...	30.06	48	SW	4	oqq	30.19	−.01	41	39	0	WNW	3	b	3	oqq	*	48	40	0.10
GERMANY & HOLLAND.	Cuxhaven ...	30.20	36	SW	4	o	29.92	−.36	38	38	+ 5	W	4	o	*	b	*	39	33	0.12
	Berlin	30.44	33	SW	3	b	30.17	−.28	32	30	− 2	S	4	r	*	b	*	36	28	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	30.54	30	SW	1	f	30.53	+.02	29	29	− 4	SW	3	o	*	f	*	34	28	—
	The Helder ...	30.14	41	SSW	5	r	30.40	−.17	44	42	+ 5	W	6	bc	3	r	*	45	39	0.04
BELGIUM.	Brussels ...	*	*	*	*	*	30.29	−.20	41	41	+ 9	SW	2	f	*	r	*	41	32	0.04
	Cape Gris Nez...	30.23	45	SW	6	f	30.28		46	45		NW	4	o	4	f	*	46	39	0.12
	Paris	30.49	38	S	2	o	30.40	−.12	41	41	+ 10	SW	2	o	*	o	*	41	30	0.08
	Brest	30.39	50	SW	3	f	30.49	+.06	50	49	0	NW	1	b	3	b	*	50	48	—
	Lorient... ...	30.42	50	WSW	5	o	30.49	.00	49	49	+ 2	WNW	3	bc	3	o	*	52	46	0.04
FRANCE &	Rochefort ...	30.55	46	S	2	o	30.51	−.06	50	50	+ 12	W	2	?b	*	o	*	?	?	—
	Belfort	30.54	31	2	o	m	30.55	+.02	27	27	− 3	W	4	m	*	m	*	37	23	—
	Lyons	30.58	33	NNW	1	o	30.57	+.03	31	30	0	NE	1	m	*	o	*	38	30	0.08
	Nice	30.19	45	2	o	b	30.20	−.07	48	41	+ 8	2	o	b	1	b	*	54	40	—
	Perpignan ...	30.39	46	NW	6	b	30.41	−.03	48	41	+ 2	NW	5	bc	*	b	*	51	44	—
	Biarritz ...	30.55	48	SE	2	o	30.56	+.02	45	45	+ 4	S	3	r	5	o	*	54	41	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.58	50	NNE	4	b	30.58	+.01	50	44	0	NNE	4	b	*	b	*	57	50	—
	Azores (P. Delgada)	30.67	60	SW	4	o	30.62	+.39	60	59	0	S	5	o	4	o	*	64	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 1.4 *hrs; Brighton* ? *hrs; Hastings* ? *hrs;* Eastbourne 0.0 hrs.

WEATHER CHARTS

FOR SUNDAY, 27th DECEMBER, 1896.

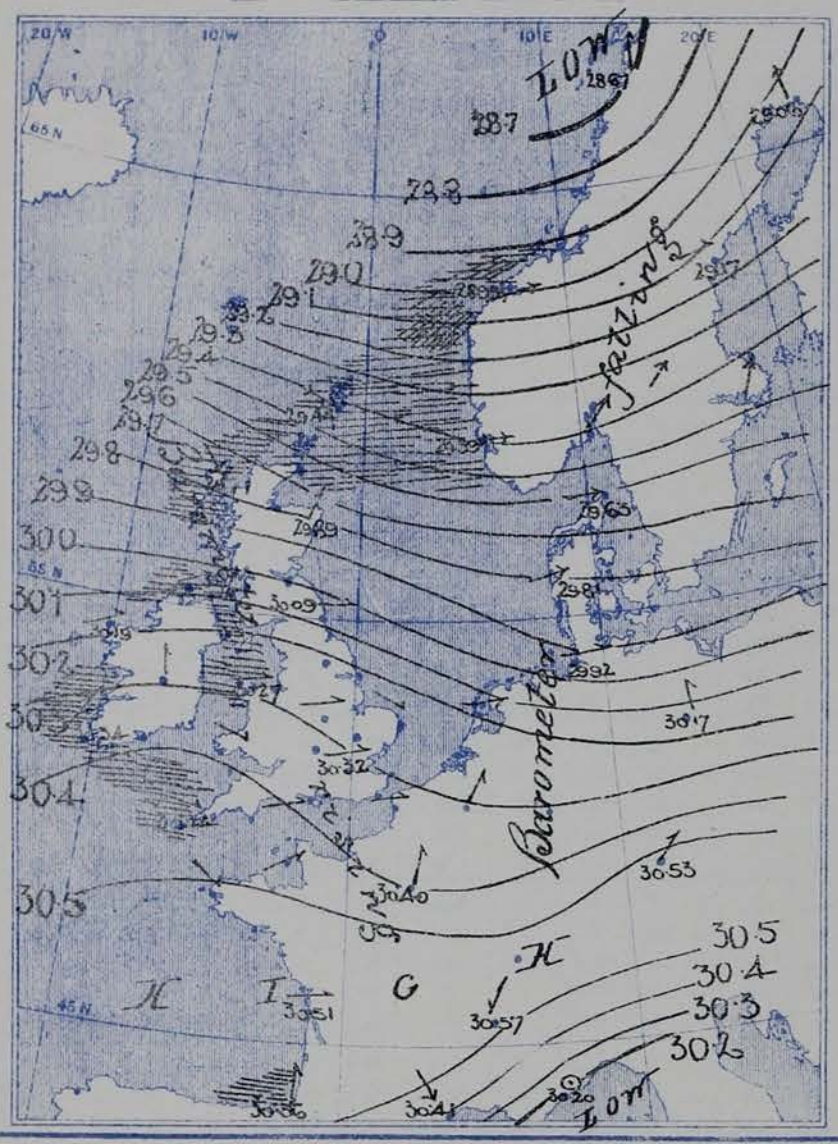
BAROMETER, WIND AND SEA.

BAROMETER. Isobars are drawn for each tenth of an inch.

WIND.—Arrows show Directions and Force, flying with the wind.

Force above 10 ; Force 5 to 7 ; Force 8 to 10 ; Force 1 to 4 ; Calm ⊙

SEA—Rough ; High

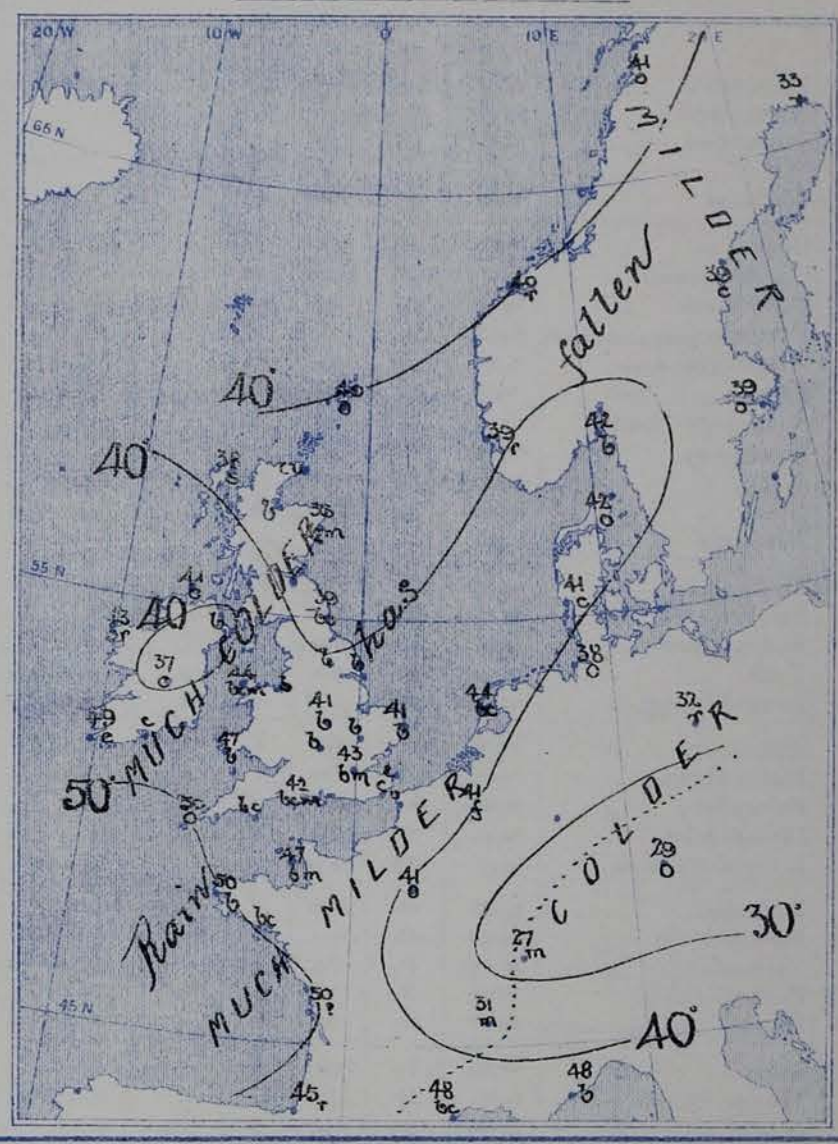


TEMPERATURE & WEATHER.

TEMPERATURE.—Isotherms are drawn for each 10°.

WEATHER.—Shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes. Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, (1) 30·5 in: and more to 30·2 in: in an anticyclonic system and ridge spreading in from the Atlantic over the Bay of Biscay, Ireland, England, Spain and France to Germany.
Lowest, (1) Below 28·7 in: over the northwest of Scandinavia, and below 29·5 in: over the Shetlands, the south of Norway and at Stockholm; (2) Below 30·2 in: over the northeastern part of the Mediterranean.
Gradients steep for S to W winds over the northern and eastern parts of our area, moderate over the south and southwest, slight and variable over the greater part of France, but rather steep for E winds over the southeast of France. Barometer rising throughout our Islands, falling over Scandinavia, the Baltic and the North Sea.

TEMPERATURE — Highest, 50° at Lisbon, Rochefort, Brest, and Scilly, 49° at Valencia and above 40° almost all over Ireland and England.
Lowest, (1) 21° at Belfort, 29° at Munich, 32° at Berlin; (2) 32° at Haparanda, 36° to 40° over the greater part of Scotland.
The maxima recorded yesterday were as high as 58° at Leith, and 55° to 50° over the major part of the Kingdom.

WIND — Light and variable over Spain, the Bay of Biscay, and France; W and moderate over the United Kingdom; NW blowing to a gale in the north of Scotland and the Shetlands; W a strong gale in the west of Norway, but S over Lapland.
It has blown hard from SW. on our northwestern and northern coasts in the night, but after veering to W is beginning to back towards S. in the west of Ireland.

WEATHER — Dull, squally and raining over Scandinavia, raining at Berlin; fine over the greater part of our Islands, but rain is falling at Belmullet, wet snow at Stornoway.
Rain has fallen during some part of the 24 hours in nearly all parts of the Kingdom, most 0·6 in: at Stornoway, hail at Malin Hd.
Bright Sunshine recorded yesterday was 1·4 hrs: at Southport, 0·1 hr at Aberdeen, none elsewhere.

SEA — High in the far north, rough in the west and southwest, slight to smooth in the east and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 28th DEC. 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED.	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The South Cone is still flying in districts 0 to 2, and 6 to 10.

Note.—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·77	45	45	S	8	rf	5
Sumburgh Head	29·16	49	48	SSW	4	o	6
Stornoway	29·12	50	50	SW	8	r	8
Aberdeen	29·43	48	47	SSE	5	odg	5
Shields	29·76	52	50	SW	3	cp	2
Ardrossan	29·54	51	51	SSE	7	r	6
Malin Head ...	29·42	53	50	SSW	10	o	6
Belmullet	29·65	52	51	WSW	8	or	*
Holyhead	29·91	50	50	SW	7	dqf	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·98	54	53	SW	6	on	6
Scilly	30·23	52	52	SSW	5	f	5
Jersey	30·38	50	48	SSW	3	o	3
Hurst Castle ...	30·27	48	47	SW	6	rmd	3
Dungeness ...	30·26	46	46	SW	6	r	5
North Foreland	30·28	46	46	SSW	4	r	2
London (Westminster)	30·21	51	49	SW	5	o	*
Yarmouth ...	30·12	46	45	SW	5	or	3
Rochefort ...	30·49	46	45	S	2	o	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine and bright over southern Europe, dull or foggy over the eastern countries, very unsettled and rough over the British Islands and northern Europe, with rain in many places. Rain falling at intervals over the whole of the Kingdom during the day – amounts large at the Scotch stations, considerable in the northwest and north – 0·6in. at Stornoway.

Temperature rises fast over our Islands. Morning readings highest 53° to 50° on the Irish coasts, at Scilly, and at Brest, 52° at Nairn and Leith, 47° in London. Lowest 16° at Moscow, 23° at St Petersburg, and below the freezing point all over Russia; 30° to 31° over Central France. Rising later to 58° at Leith, and to considerably above 50° over the greater part of the Kingdom.

Wind SW³ and S³ all over the United Kingdom and northern Europe, moderate to strong on the coasts of the United Kingdom and blowing a strong gale from WSW. at Bodo and the Scaw. Light and anticyclonic over Spain, Central France, and Germany; moderate from between E. and N. over the Mediterranean. Blowing a gale from the SW² over Scotland later, and a strong breeze over England.

Barometer highest 30·6in. over Spain, and exceeding 30·4in. over almost the whole of France, Germany, and Central Russia. Lowest (1) Below 29·5in. over the north of Scotland, and below 29·3in. off the northwest of Norway; (2) below 29·2in. in a depression over the Mediterranean – having its central area over Sicily and the south of Italy. A large deep depression advancing to the northern parts of Scandinavia later, and barometer falling to below 29·0in. in the Shetlands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 28th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.06	33	SW	4	0	29.08	+.02	33	30	0	NSW	4	0	#	0	#	34	25	0.12
	Hernösand ...	29.35	35	SW	4	b	29.48	+.31	30	27	-9	E	0	b	#	b	#	41	30	-
	Stockholm ...	29.69	34	SW	2	b	29.78	+.21	34	32	-3	N	2	b	#	b	#	39	34	-
	Wisby	29.81	37	SW	8	b	29.95		38	36		NW	4	b	#	b	#	38	32	0.35
	Karlstad ...	29.69	36	SW	4	b	29.83	+.36	35	33	-4	SSW	4	b	#	b	#	#	#	-
	Bodö	28.62	36	NSW	8	r	28.91	-.24	34	33	-7	N	8	r	5	r	#	41	34	0.28
	Christiansund ...	29.31	37	NSW	9	S	29.52	+.53	36	35	-4	NSW	9	S	8	S	#	40	34	0.20
	Skudesnaes ...	29.81	39	W	8	r	29.87	+.48	42	41	+3	NSW	4	bc	5	r	#	43	36	#
	Færder (Christiania Fjord)	29.71	38	NSW	6	b	29.78	+.33	41	39	-1	W	7	bc	6	b	#	42	?	-
	Skagen (The Scaw)	29.89	38	NW	5	b	29.96	+.33	38	37	-4	NW	4	b	1	b	#	43	37	-
	Fanö	30.13	38	W	4	b	30.12	+.31	37	36	-4	W	3	b	#	b	#	41	36	-
	Sumburgh Head	29.68	39	WNW	5	c	29.73	+.29	41	39	+1	W	1	0	4	c	#	43	39	0.15
	Stornoway ...	29.94	39	NSW	3	b	29.79	+.02	37	37	-1	W	2	b	2	rq,b	0.0	42	35	0.18
	Wick	29.87	38	NW	3	c	29.76	+.08	37	36	-1	W	2	c	3	c	#	40	35	0.02
	Nairn	29.97	40	W	2	b	29.80	.00	33	33	-5	W	1	0	1	b	#	42	32	0.01
	Aberdeen ...	30.05	37	SSW	2	b	29.86	-.03	34	33	-2	SW	1	ogm	1	b	4.9	41	33	-
BRITISH ISLANDS.	Leith	30.11	39	SW	2	b	29.80	-.20	39	38	0	ENE	3	r	#	b	#	45	38	0.10
	Shields	30.19	43	NSW	3	c	29.76	-.33	43	43	+4	E	3	r	3	c	#	44	36	0.21
	Spurn Head ...	30.28	39	SW	4	b	29.86	-.30	42	42	0	SSE	5	r	5	b,r	#	43	37	0.23
	York	30.29	40	W	2	b	29.69	-.51	44	43	+4	S	2	m	#	b	5.5	47	36	0.28
	Loughborough ...	30.37	43	NSW	2	c	29.79	-.45	46	45	+5	SSW	6	oqr	#	bc.oqr	#	48	40	0.45
	Ardrossan ...	30.14	44	NSW	4	b	29.74	-.29	38	38	-5	NE	4	rm	2	b	#	44	37	0.28
	Malin Head ...	30.13	41	SW	3	bc	29.78	-.31	41	40	0	E	5	0	3	bc,r	#	44	38	0.34
	Belmullet ...	30.23	43	SE	2	b	29.80	-.39	44	43	+1	N	3	0	#	c,b,r	#	50	39	0.50
	Donaghadee ...	30.20	40	NSW	4	b	29.59	-.59	45	45	+8	ENE	8	r	6	b,r	#	45	35	0.68
	Liverpool (Bidston)	30.30	44	SSW	2	c	29.63	-.61	48	47	+6	SSE	3	r	3	c,r	#	49	41	0.42
	Holyhead ...	30.29	47	SW	3	cp	29.62	-.65	50	49	+6	SW	5	gmr	4	cp	#	50	42	0.74
	Parsonstown ...	30.24	42	SE	1	bc	29.67	-.62	50	49	+13	NW	3	r	#	o,bc	0.0	52	36	0.73
	Valencia ...	30.23	50	S	3	mgr	29.92	-.47	49	46	0	NNW	8	og	6	gmr	0.0	54	46	1.08
	Roche's Point ..	30.32	50	SW	4	o	29.74	-.64	51	50	+8	W	6	c	5	o,r	#	51	43	0.30
	Pembroke (St. Ann's Hd.)	30.35	48	NSW	4	o	29.76	-.61	50	49	+3	NSW	7	bc	6	o	1.8	50	45	0.58
	Scilly	30.42	51	S	3	om	29.99	-.45	52	51	+2	NSW	6	om	6	c,o	1.0	53	49	0.12
	Prawle Point ...	30.46	47	SW	3	o	29.95	-.50	50	49	+7	NNW	7	rq	6	o,q	#	50	42	0.20
	Jersey (St. Aubin's)	30.53	47	W	2	c	30.14	-.33	50	49	+3	SSW	5	ogu	4	p	#	52	41	0.03
	Hurst Castle ...	30.45	45	SW	2	ou	29.96	-.42	48	48	+6	SW	6	rm	3	o,b,r	#	48	41	0.15
	Dungeness ...	30.43	44	W	3	bc	30.05	-.21	44	44	+1	SSW	5	r	4	bc	#	49	41	0.10
	North Foreland	30.45	40	W	3	b	30.07	-.23	43	42	-2	S	6	r	5	b	#	46	38	0.08
	London (Brixton) ...	30.44	41	NSW	2	bc	29.96	-.36	44	44	+1	S	6	rq	#	b,oqr	1.9	48	40	0.12
	Oxford	30.39	43	SW	2	bc	29.86	-.48	47	46	+6	S	5	rq	#	bc,or	#	48	40	0.25
	Cambridge ...	30.41	37	SW	1	b	29.92	-.35	44	43	+2	S	8	r	#	b,r	4.4	47	36	0.15
	Yarmouth ...	30.32	40	NSW	3	b	29.97	-.22	42	41	+1	S	5	qqr	4	b	#	44	36	0.11
GERMANY & HOLLAND.	Cuxhaven ...	30.11	36	NW	2	b	30.20	+.28	34	32	-4	SW	2	c	#	b	#	41	34	-
	Berlin	30.21	39	NSW	2	o	30.36	+.19	35	35	+3	W	2	o	#	o	#	39	32	0.35
	Wiesbaden ...	#	#	#	#	#	30.47		32	31		SE	2	o	#	#	#	36	30	0.24
	Munich	30.42	34	SW	3	o	30.47	-.06	32	32	+3	W	1	o	#	o	#	34	28	0.08
	The Helder ...	30.32	42	NNW	2	b	30.15	+.05	39	37	-5	S	2	bc	1	b	#	45	39	-
BELGIUM.	Brussels ...	#	#	#	#	#	30.29	-.10	35	34	-6	S	4	o	#	b	#	46	32	-
	Cape Gris Nez ...	30.41	44	NW	2	bc	30.12	-.16	40	39	-6	SSW	6	r	6	bc	#	48	39	0.04
	Paris	30.51	42	Z	0	b	30.39	-.01	33	33	-8	SSE	2	o	#	b	#	49	30	-
	Brest	30.52	50	NW	1	m	30.21	-.28	51	50	+1	SSW	4	o	4	m	#	52	45	-
	Lorient	30.34	48	Z	0	c	30.26	-.23	51	51	+2	NSW	6	o	4	c	#	55	46	0.08
FRANCE &	Rochefort ...	30.53	49	NW	3	m	30.44	-.07	48	48	-2	S	3	f	#	m	#	52	45	-
	Belfort	30.51	32	W	3	f	30.49	-.06	?	?	?	W	2	f	#	f	#	33	28	-
	Lyons	30.54	36	NE	1	f	30.48	-.09	34	33	+3	NNW	1	o	#	f	#	39	31	0.08
	Nice	30.15	47	NE	1	bc	30.15	-.05	47	37	-1	Z	0	b	1	bc	#	59	46	-
	Perpignan ...	30.37	54	NW	5	bc	30.34	-.07	52	46	+4	NW	3	b	#	bc	#	59	48	-
	Biarritz ...	30.51	52	NNW	4	f	30.42	-.14	52	51	+7	NSW	3	f	5	f	#	55	45	0.12
PENIN-SULA.	Corunna ...																#			
	Lisbon	30.57	52	NNE	4	b	30.55	-.03	48	45	-2	NNE	3	b	#	b	#	59	46	-
	Azores (P. Delgada)	30.62	62	SSW	5	o	30.56	-.06	62	56	+2	SSW	4	o	3	o	#	64	60	-

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

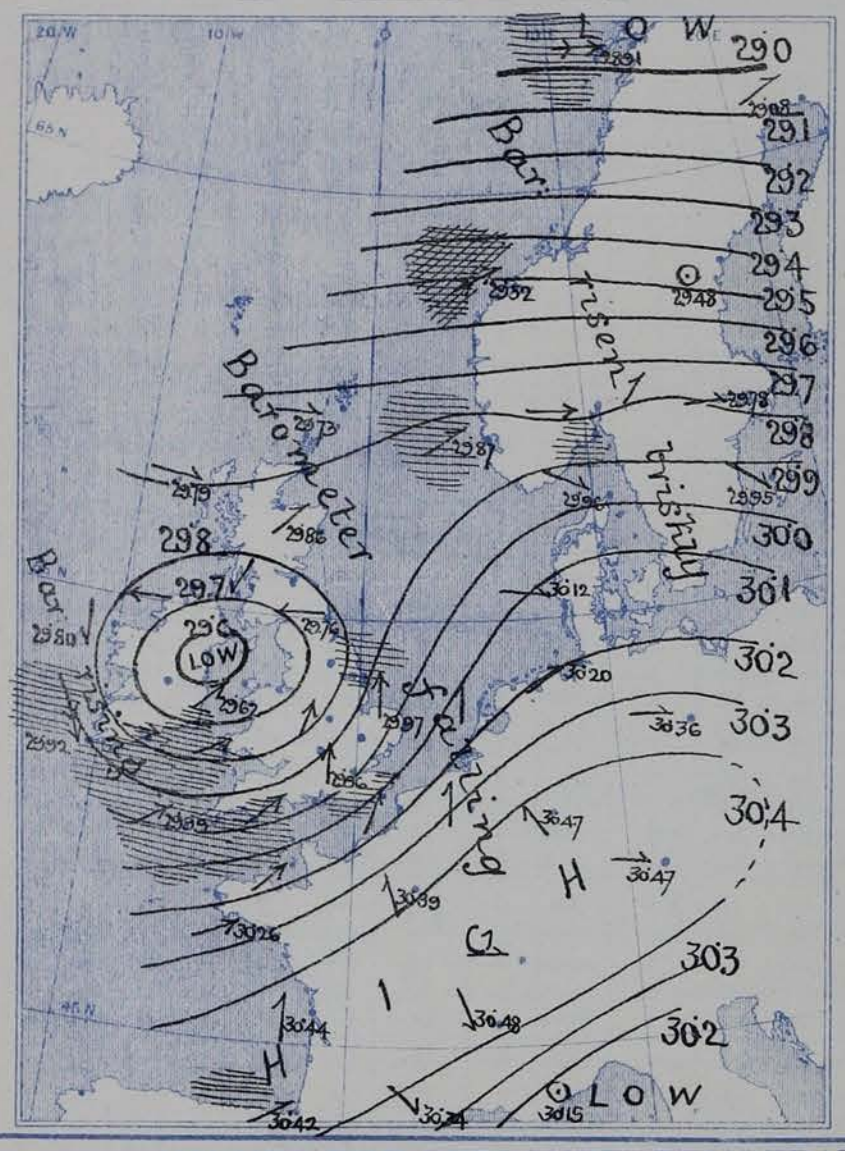
Bright Sunshine yesterday Southport 4.1 hrs; Brighton 4.8 hrs; Hastings 5.0 hrs; Eastbourne 5.2 hrs

WEATHER CHARTS

FOR Monday, 28th December, 1896.

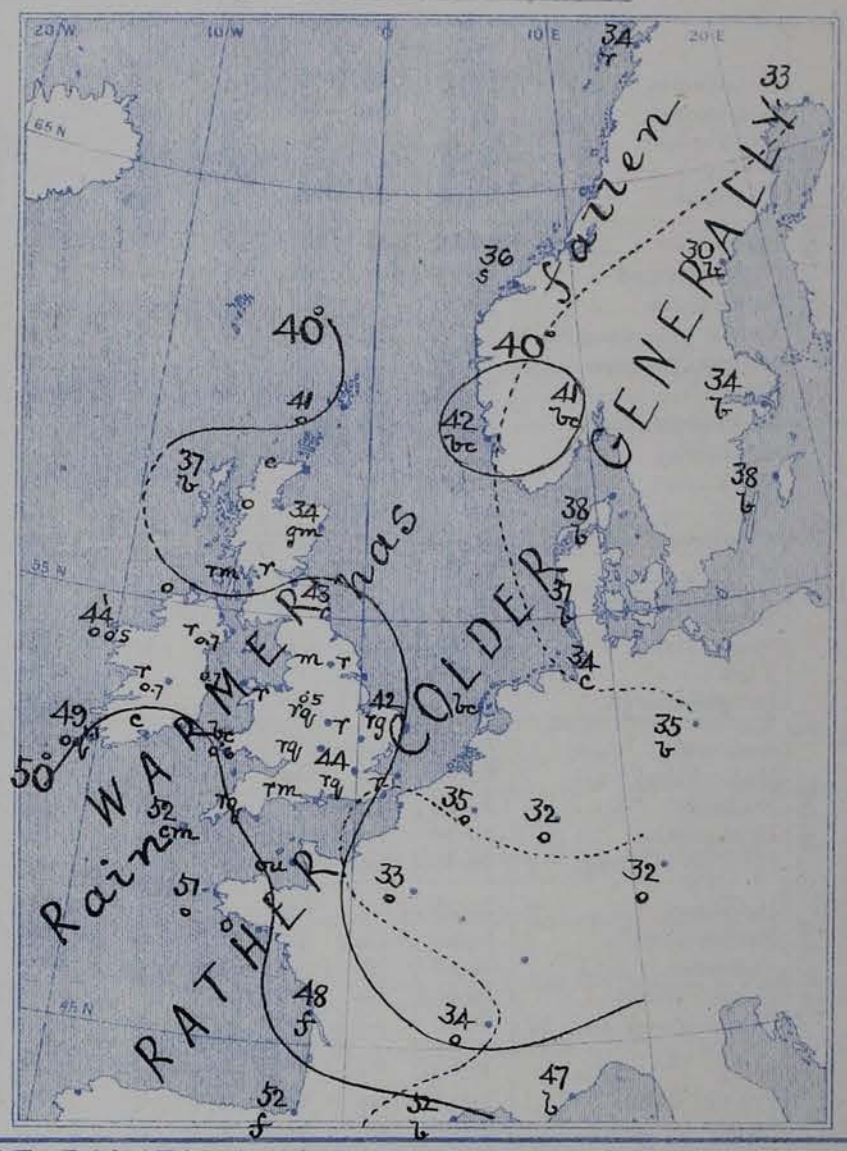
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·2 ins: over Spain, France, and Germany.
Lowest, Below 29·0 ins: over Lapland, and below 29·6 ins: in a well-marked depression lying over our Islands, and having its centre over the Irish Sea.
Gradients steep over Ireland, England, and the north of France, moderate to slight elsewhere.
Barometer falling over the eastern parts of our area, rising in the west.

TEMPERATURE

Highest, 52° to 50° in the west of France and on our own southwestern coasts, 50° at Holyhead, 46° at Loughborough.
Lowest, (1) 30° to 34° at the Swedish stations and Bodö, and 34° to 37° over Scotland; 32° at Munich and Wiesbaden, 33° at Paris.
The maxima recorded yesterday varied from 54° to 50° on our southwestern and western coasts, and ranged from 48° to 43° over Great Britain.

WIND

(1) W over the northern parts of our area — a gale in the northwest of Norway, and a moderate to light breeze in Scotland.
(2) A complex cyclonic circulation of winds, fresh to a gale in force, prevailed over Ireland, England, the Channel, and north of France.
(3) Light and anticyclonic breezes are felt over Central France.
It blew very strongly during the night over our western and southern districts.

WEATHER

Very variable. Snow in the northwest of Norway, cloudy over Scotland, dull and very rainy over Ireland, England, and the English Channel, dull over France.
Rain has fallen during the night over our Islands generally; in Ireland the falls have been heavy (1·1 in: at Valencia).
Bright Sunshine recorded yesterday was 5·5 hrs at York, 4·9 hrs at Aberdeen, and from 4 to 5 hrs along our south coast.

SEA

High on the northwest coast of Norway, rough on our east and south coasts, moderate in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is moving northeastwards, and during the day the winds is likely to veer to NW. and N. over England, with finer colder weather. There is however, no indication of settled weather yet.

FORECASTS

For the 24 hours ending at NOON on 29th DEC.r 1896.

DISTRICTS.	FORECASTS.
⚠ 0 SCOTLAND NORTH ⚠ 1 SCOTLAND EAST	N.W. and NW. winds; weather changeable, colder, some cold showers.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Wind veering towards W. and NW, and moderating very slowly; weather rainy and mild, then colder and fairer, but not settled.
⚠ 6 SCOTLAND WEST ⚠ 7 ENGLAND N.W. ⚠ 8 ENGLAND S.W. ⚠ 9 IRELAND NORTH ⚠ 10 IRELAND SOUTH	NW. and N.W. winds, moderating; colder, cold showers with bright intervals not settled.
WARNINGS	At 7·10 pm yesterday to districts 0. 1. and 6 to 10 Hoist South Cone.

Note.—The **South Cone**, *point downwards* (⚠), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (⚠), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·74	42	41	WSW	8	c	6
Sumburgh Head							
Stornoway	29·88	40	39	NNW	7	79	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·12	43	41	SW	5	o	5
Belmullet	30·22	45	44	W	3	c	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·50	50	49	NNW	3	bc	3
Hurst Castle ...							
Dungeness ..	30·41	46	44	W	3	bc	2
North Foreland	30·42	45	41	W	4	b	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·52	50	50	NW	3	m	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 20TH TO THE 26TH DECR. 1896.

In the course of this week there has been a complete change of wind and weather over our Islands. The northern high pressures and cold easterly winds noticed at the end of last week have both given way, and milder winds from between S. or SW. and NW. have taken their place. Pressure has gradually become highest over the southern, lowest over the northern parts of our area, and as depressions have moved from southwest to northeast over the Kingdom or their immediate neighbourhood the wind has first been S¾ to SW¼ in direction, with rain, and subsequently W¾ to NW¾, with clear bright weather — neither condition, however, lasting for a whole day, as the disturbances followed one another so closely. The warmest day was Saturday when maxima of 58° to 50° were recorded over the Kingdom as a whole.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 29th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.20	28	W	4	b	29.44	+ .36	27	26	− 6	SW	4	bc	*	b	*	36	25	—
	Hernösand ...	29.68	32	SW	2	b	29.82	+ .34	37	31	+ 7	SW	4	b	*	b	*	37	28	—
	Stockholm ...	29.90	35	W	2	b	30.04	+ .26	34	33	0	W	4	b	*	b	*	37	32	—
	Wisby	29.99	37	WNW	4	b	30.15	+ .20	37	36	− 1	WNW	4	o	*	b	*	39	36	—
	Karlstad ...	29.91	36	SSW	2	c	30.10	+ .27	31	30	− 4	WSW	2	f	*	c	*	*	*	—
	Bodö	29.25	39	W	9	s	29.54	+ .63	40	38	+ 6	W	8	o	5	s	*	40	32	0.12
	Christiansund ...	29.63	40	WSW	4	r	29.85	+ .33	41	35	+ 5	WSW	3	bc	6	r	*	41	36	0.20
	Skudesnaes ...	29.93	40	SW	2	c	30.12	+ .25	42	41	0	2	0	o	2	c	*	43	36	*
	Færder (Christiania Fjord)	29.90	38	WSW	4	b	30.10	+ .32	34	32	− 7	2	0	b	2	b	*	?	30	—
	Skagen (The Scaw)	30.02	37	W	3	o	30.17	+ .21	37	36	− 1	SW	1	f	0	o	*	43	34	0.04
	Fanö	29.96	34	E	4	s	30.16	+ .04	33	33	− 4	S	1	c	*	s	*	39	32	0.04
BRITISH ISLANDS.	Sumburgh Head	29.85	40	W	2	c	29.85	+ .12	43	41	+ 2	SSW	4	o	5	c	*	44	40	0.10
	Stornoway ...	29.98	37	WNW	2	b	29.79	.00	45	43	+ 8	SW	6	o	6	b	2.3	45	35	0.03
	Wick	29.96	35	W	2	bc	29.86	+ .10	40	39	+ 3	W	4	cw	2	bc	*	40	33	—
	Nairn	30.00	39	WSW	2	b	29.94	+ .14	41	38	+ 8	SW	2	c	1	b	*	41	29	—
	Aberdeen ...	30.02	34	WNW	2	b	30.04	+ .18	36	35	+ 2	S	3	c	2	b	2.5	37	32	—
	Leith	30.05	37	ENE	2	bc	30.11	+ .31	41	38	+ 2	SW	3	c	*	bc	*	43	30	0.02
	Shields	29.97	40	N	2	b	30.22	+ .46	32	32	− 11	SW	3	c	3	r, c, b	*	44	31	0.16
	Spurn Head ...	29.82	44	N	6	ov	30.27	+ .41	36	36	− 6	W	3	bmw	3	r, ogv	*	47	36	0.24
	York	29.85	44	NNW	3	o	30.28	+ .59	31	31	− 13	SW	1	b	*	o	0.0	48	29	0.02
	Loughborough ...	29.92	45	NW	6	o	30.33	+ .54	29	28	− 17	2	0	bc	*	r, cfog, b	*	52	28	0.10
	Ardrossan ...	30.08	39	NW	1	b	30.09	+ .35	43	43	+ 5	S	5	o	4	b	*	43	34	0.01
	Malin Head ...	30.12	43	W	3	b	29.91	+ .13	38	38	− 3	S	6	c	3	bc, b	*	44	37	—
	Belmullet ...	30.18	39	NNW	1	b	29.92	+ .12	46	46	+ 2	S	4	o	*	c, b	*	48	36	—
	Donaghadee ...	30.13	42	NW	6	b	30.14	+ .56	40	40	− 5	SSW	4	bc	2	b	*	46	33	0.01
	Liverpool (Bidston)	30.07	41	NW	3	c	30.27	+ .64	34	31	− 14	S	2	bc	2	r, c	*	50	33	0.26
	Holyhead ...	30.11	45	N	7	b	30.23	+ .61	41	39	− 9	S	4	c	3	cg, b	*	50	37	0.26
	Parsonstown ...	30.19	38	2	0	b	30.09	+ .42	43	42	− 7	SE	2	or	*	b	3.9	50	32	—
	Valencia ...	30.26	44	N	1	b	30.05	+ .13	49	49	0	SSE	6	rw	5	bcg, b	2.8	50	36	0.13
	Roche's Point ..	30.25	43	N	2	b	30.18	+ .44	48	48	− 3	SSW	5	r	4	b	*	52	38	0.02
	Pembroke (St. Ann's Hd.)	30.16	44	N	5	bc	30.29	+ .53	44	42	− 6	SSE	4	bc	4	bc	1.0	50	40	0.05
	Scilly	30.14	48	NNW	6	bc	30.31	+ .32	48	45	− 4	SSE	3	c	5	c, bc	2.6	52	44	0.02
	Prawle Point ...	30.03	43	NW	6	bc	30.37	+ .42	37	36	− 13	NE	3	c	2	pg, bc	*	48	34	0.04
	Jersey (St. Aubin's)	29.95	47	WNW	5	o	30.37	+ .23	45	42	− 5	NNE	1	ow	1	owr, b	*	52	44	0.09
	Hurst Castle ...	29.88	50	WNW	5	o	30.36	+ .40	35	33	− 13	N	1	cw	1	opd, o	*	50	33	—
	Dungeness ...	29.75	48	SW	4	o	30.29	+ .24	39	38	− 5	N	3	c	2	o	*	48	38	0.16
	North Foreland	29.78	49	SSW	3	r	30.29	+ .22	40	39	− 3	NW	3	o	3	o, r	*	49	39	0.01
	London (Brixton) ...	29.82	50	W	3	r	30.34	+ .38	32	32	− 12	WSW	1	bc	*	or, o, b	0.0	51	32	0.15
	Oxford	30.04	45	NW	5	o	30.35	+ .49	32	31	− 15	WSW	1	b	*	op	*	52	32	0.09
	Cambridge ...	29.83	45	N	5	r	30.33	+ .41	32	32	− 12	NNW	1	b	*	r	0.0	51	31	0.08
	Yarmouth ...	29.71	47	NW	4	r	30.25	+ .28	38	37	− 4	NNW	2	bf	3	or	*	47	37	0.41
GERMANY & HOLLAND.	Cuxhaven ...	30.04	34	S	2	o	30.08	− .12	33	33	− 1	E	2	o	*	o, s	*	34	32	0.28
	Berlin	30.22	31	SE	3	b	30.17	− .19	28	27	− 7	SE	3	b	*	b	*	39	27	—
	Wiesbaden ...	*	*	*	*	*	30.09	− .38	34	33	+ 2	2	0	o	*	*	*	36	32	0.08
	Munich... ..	30.22	26	SE	4	bc	30.10	− .37	25	25	− 7	SE	3	o	*	bc	*	34	19	—
	The Helder ...	29.78	39	S	4	r	30.16	+ .01	41	39	+ 2	NNE	2	o	1	r	*	43	37	0.51
BELGIUM.	Brussels ...	*	*	*	*	*	30.21	− .08	?	?	?	N	?	?	*	r	*	42	35	?0.16
	Cape Gris Nez...	29.78	46	SW	5	f	30.23	+ .11	42	41	+ 2	N	4	o	4	f	*	48	39	0.32
	Paris	29.96	45	S	3	r	30.21	− .18	43	40	+ 10	N	5	o	*	r	*	48	33	0.12
	Brest	30.17	50	SW	4	c	30.37	+ .16	44	43	− 7	NNW	1	c	3	c	*	52	41	—
	Lorient... ...	30.10	51	WNW	7	c	30.39	+ .13	46	45	− 5	NE	1	c	4	c	*	52	39	0.12
FRANCE &	Rochefort ...	30.22	52	W	5	r	30.34	− .10	47	46	− 1	NNW	4	o	*	bc, r	*	54	43	0.16
	Belfort	30.24	31	2	0	s	30.05	− .44	33	33	?	2	0	f	*	s	*	33	30	0.08
	Lyons	30.29	35	2	0	s	30.10	− .38	44	41	+ 10	NNW	2	o	*	s	*	49	34	0.08
	Nice	30.16	48	2	0	b	29.97	− .18	43	40	− 4	2	0	o	3	b	*	57	41	—
	Perpignan ...	30.22	55	NW	5	o	30.13	− .21	52	49	0	NW	6	b	*	o	*	60	51	—
	Biarritz ...	30.41	53	W	5	r	30.39	− .03	51	50	− 1	NW	4	r	5	r	*	54	50	0.16
PENINSULA.	Corunna ...																*			
	Lisbon	30.52	52	NNE	5	b	30.49	− .06	51	48	+ 3	NNE	3	bc	*	b	*	59	48	—
	Azores (P. Delgada)	30.49	60	S	5	c	30.38	− .18	62	58	0	S	5	o	4	c	*	64	57	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

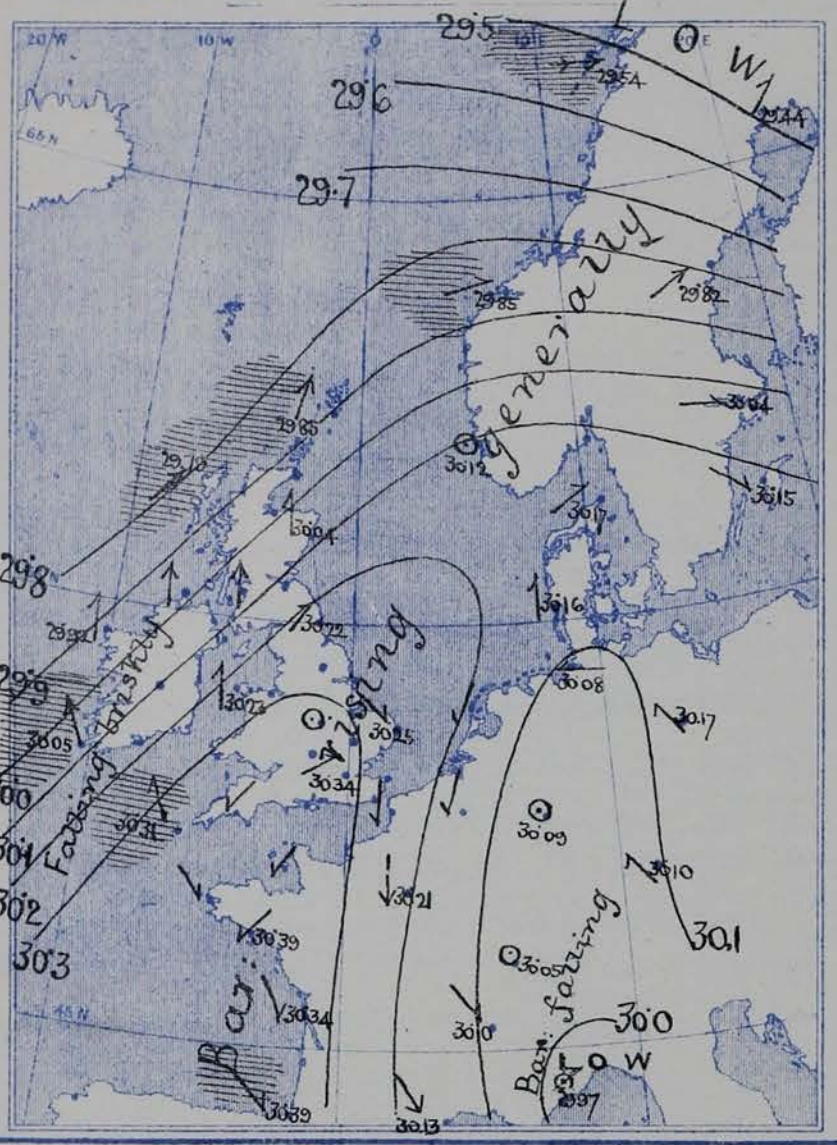
Bright Sunshine yesterday Southport 0.6 *hrs; Brighton* 0.0 *hrs; Hastings* 0.0 *hrs;* Eastbourne 0.0 hr.

WEATHER CHARTS

FOR Tuesday, 29th December, 1896.

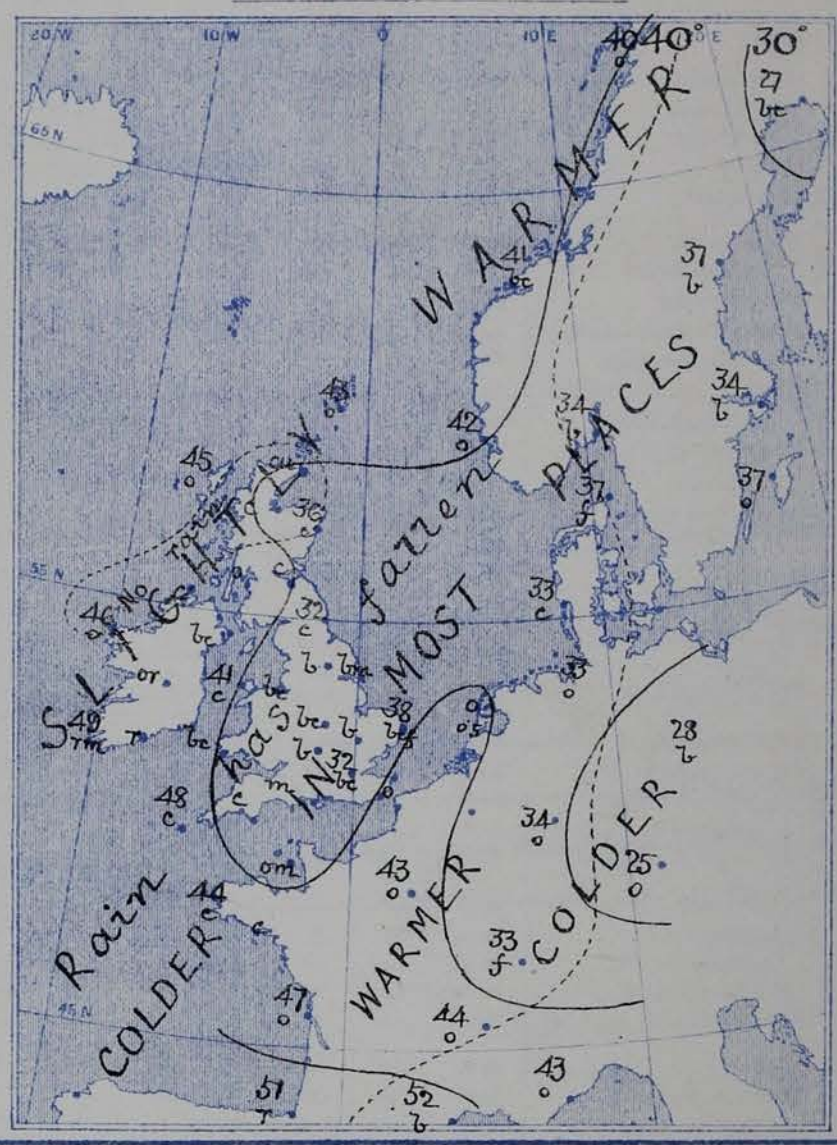
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.49 ins. at Lisbon, 30.3 ins. and upwards in an anticyclone extending from the Spanish peninsula over the Bay of Biscay, the west of France and the greater part of England.
Lowest 29.5 ins. and less over the N^rn. parts of Scandinavia; 29.8 ins. and less in a depression approaching our extreme NW. coast.
Gradients rather steep over Ireland and Scotland, and moderate over Scandinavia, but slight elsewhere.
Barometer falling briskly on our extreme W^rn. coasts, and to a less extent in the W. and N. generally; rising in most other parts of our area.

TEMPERATURE

Highest 52° at Perpignan, 51° at Biarritz and Lisbon, 49° at Valencia (Ireland), and 48° at Rocks Pt. in Sicily.
Lowest (1) 25° at Munich, and 28° at Berlin; (2) 27° at Haparanda, and 31° at Karlstad; (3) 29° at Loughborough and 31° at York.
Frost occurred last night in many parts of the United Kingdom, the lowest readings reported being;—(1) In the screen 28° at Loughborough, and 29° at Nairn and York; (2) on the grass 21° at Loughborough, and 27° in London.

WIND

S^ly. in the west and northwest of our Islands, and strong in force on our extreme western coasts, SW^ly. or W^ly. in Scandinavia, with a gale at Bodö.
Light to moderate from the NW^rn. or N^rn. over the south and southeast of England, the Netherlands and the greater part of France; SE^ly. or E^ly. at the German stations.

WEATHER

Fine over England and also over the greater part of Scandinavia and Denmark.
Cloudy or dull elsewhere, with rain in the south of Ireland, and also at Biarritz.
Rain fell yesterday over nearly the whole of western Europe, the largest amounts being 0.5 in. at the Helder, and 0.4 in. at Yarmouth.

SEA

Rough or rather so in the extreme SW. and N., as well as at Biarritz, but moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over our Islands yesterday has passed on to W^rn. Germany and has almost entirely filled up. Another disturbance is, however, approaching our NW. coasts, and is likely to occasion S^ly. and SW^ly. winds over the whole Kingdom, with gales in the W. and N.

FORECASTS

For the 24 hours ending at NOON on 30th. DEC. 1896.

DISTRICTS.	FORECASTS.
▼ SCOTLAND NORTH ▼ SCOTLAND EAST	S^ly. winds, increasing to a gale; fair at first then squally and rainy.
2 ENGLAND N.E.	S^ly. and SW^ly. winds increasing in force, fine at first then unsettled and rainy.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Wind backing to the SW^rn., and freshening considerably, fine at first, some rain later, becoming milder.
▼ 6 SCOTLAND WEST ▼ 7 ENGLAND N.W.	S^ly. to SW^ly. or W^ly. winds, increasing to a gale, squally, rainy.
8 ENGLAND S.W.	Same as No. 2.
▼ 9 IRELAND NORTH ▼ 10 IRELAND SOUTH	Same as Nos. 6 and 7.
WARNINGS	At 10.15 am. today to districts 0, 1, 6, 7, 9 and 10. Hoist South Cone.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	43	41	SW	4	c	4
Sumburgh Head	29.79	40	38	W	1	c	4
Stornoway	29.90	42	41	W	2	b	2
Aberdeen	29.91	37	34	WNW	2	b	1
Shields	29.78	42	42	N	4	c	3
Ardrossan	29.93	43	42	NW	3	b	2
Malin Head ...	30.00	44	43	NW	3	bc	2
Belmullet	30.10	48	45	NNW	2	c	*
Holyhead	29.88	44	42	N	7	cq	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.17	49	47	NNW	4	bcq	5
Scilly	29.97	50	47	WNW	7	c	6
Jersey	29.95	52	51	WSW	5	o	4
Hurst Castle ...	29.78	49	48	SW	6	opq	3
Dungeness ...	29.79	47	47	SSW	5	o	4
North Foreland	29.79	48	47	SSW	5	o	5
London (Westminster)	29.74	52	50	SW	3	opq	*
Yarmouth ...	29.70	46	45	SSW	5	o	4
Rochefort ...	30.31	50	50	WNW	4	bc	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull and rainy over all but the extreme N^rn parts of our Islands. Fine over Finland, Sweden and Denmark, as well as over the Spanish Peninsula, the extreme S. of France and N^rn Italy; dull in most other parts of the Continent, with fog at many of the French stations, and rain and snow in the W. of Norway. Sky clearing later in the W. and N. of our Islands, but rain setting in over France, the Netherlands, Denmark and W^rn Germany.

Temperature risen over England and Ireland, and also over Germany and Austria; fallen in most other countries. Morning readings highest 57° at Palma and Malta, 56° at La Calle, and 55° at Algiers; above 50° in the W. of France, and also on our own extreme SW. coasts. Lowest 22° at Kharkov, 25° at Moscow, and 27° at Kuopio and Kiev; below the freezing point in most parts Sweden and Russia, and very little above it in the E. of Scotland. Rising during day to between 50° and 52° at most of the English and Irish stations, to 55° and upwards in the S. of France, and to 60° at Perpignan. Frost occurring over our Islands at night.

Wind strong from the S^wd or SW^wd over England, but E^ly in the south of Scotland and the north of Ireland, and N^ly in the west of Ireland, with a gale at Donaghadee and Valencia. W^ly in the north of Scotland, and also over the greater part of N^rn and central Europe, with a gale on the Norwegian coasts. NE^ly over Italy and the Adriatic, as well as in the south of Russia; NW^ly in the extreme S. of France, N^ly in Spain. Subsequently shifting to the NW^wd or N^wd over our Islands generally, and falling light in Ireland.

Barometer highest 30.60 ins. at Madrid, 30.3 ins. and upwards in an anticyclone extending from the Spanish peninsula over France and Germany, and also in another system over the S. of Russia. Lowest 28.9 ins. and less in the N. of Scandinavia, 29.6 ins. and less in a well marked depression, with its centre over the Irish Sea. Depression subsequently travelling in an ESE^ly direction across England, and barometer rising briskly on our W^rn and N^rn coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 30th December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, *Secretary.*

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.59	30	W	2	0	29.50	+.06	29	29	+ 2	SW	2	c	*	0	*	30	23	-
	Hernösand ...	29.84	27	2	0	b	29.59	-.23	35	32	- 2	S	4	0	*	b	*	39	25	-
	Stockholm ...	30.17	33	2	0	0	29.99	-.05	33	31	- 1	SW	4	0	*	0	*	36	30	-
	Wisby	30.28	35	W	6	0	30.21	+.06	35	33	- 2	SW	8	bc	*	0	*	37	32	-
	Karlstad ...	30.14	34	SSW	6	0	29.88	-.22	34	33	+ 3	SSW	6	r	*	0	*	*	*	-
	Bodö	29.37	43	W	7	c	29.32	-.22	39	38	- 1	S	2	r	3	c	*	43	37	0.12
	Christiansund ...	29.57	42	W	1	b	29.45	-.40	41	39	0	WSW	5	r	5	b	*	43	39	-
	Skudesnaes ...	29.98	43	SSE	9	0	29.66	-.46	45	44	+ 3	S	8	r	6	0	*	45	34	*
	Færder (Christiania Fjord)	30.13	38	WSW	4	0	29.80	-.30	37	36	+ 3	SSW	4	0	5	0	*	39	34	-
	Skagen (The Scaw)	30.21	33	SW	3	0	29.94	-.23	35	34	- 2	SW	5	r	2	0	*	37	32	-
	Fanö	30.28	38	SW	4	0	29.99	-.17	36	36	+ 3	SW	6	r	*	0	*	37	32	0.08
	Sumburgh Head	29.53	44	SSW	4	r	29.56	-.29	37	36	- 6	2	0	b	4	or	*	44	37	0.12
	Stornoway ...	29.50	47	SW	5	0	29.53	-.26	36	36	- 9	NW	2	b	2	q,0	0.0	48	35	0.16
	Wick	29.57	45	S	6	0	29.57	-.29	40	40	0	S	2	0	3	0	*	45	39	0.05
	Nairn	29.69	45	WSW	1	0	29.57	-.37	42	41	+ 1	2	0	0	1	0	*	50	38	0.09
	Aberdeen ...	29.76	40	S	4	ogqr	29.62	-.42	44	44	+ 8	SE	2	cgm	4	gq,rq	0.0	44	36	0.05
	Leith	29.80	43	2	0	r	29.63	-.48	48	47	+ 7	2	0	om	*	r	*	50	38	0.20
	Shields	29.95	39	SSW	4	op	29.73	-.49	50	49	+ 18	SSW	2	0	3	op	*	51	32	0.13
	Spurn Head ...	30.10	39	S	5	0	29.89	-.38	47	47	+ 11	SSW	4	0	3	c,or	*	48	36	0.30
	York	30.10	39	S	2	0	29.85	-.43	52	50	+ 21	SSW	2	0	*	0	0.0	52	31	0.20
	Loughborough ...	30.19	39	S	4	r	29.96	-.37	50	49	+ 21	SW	3	0	*	bc,c,op	*	50	29	0.11
BRITISH ISLANDS.	Ardrossan ...	29.78	47	S	5	r	29.61	-.48	48	48	+ 5	S	3	rf	3	or	*	48	42	1.02
	Malin Head ...	29.69	48	S	6	or	29.52	-.39	48	48	+ 10	S	2	or	2	or	*	48	38	0.50
	Belmullet ...	29.77	49	SW	5	0	29.51	-.41	50	49	+ 4	SW	5	0	*	r,0	*	50	43	1.03
	Donaghadee ...	29.82	46	SSW	6	r	29.65	-.49	51	51	+ 11	SW	6	0	4	r	*	51	38	0.29
	Liverpool (Bidston)	30.03	40	SE	3	r	29.85	-.42	51	48	+ 17	WSW	4	0	4	o,p	*	52	32	0.29
	Holyhead ...	29.95	47	S	8	qmqr	29.82	-.41	49	48	+ 8	SSW	6	ogm	5	gqr.m	*	50	39	0.73
	Parsonstown ...	29.87	52	S	2	r	29.67	-.42	52	50	+ 9	SE	2	od	*	or	0.0	53	42	0.42
	Valencia ...	29.91	53	S	4	om	29.68	-.37	52	51	+ 3	S	6	ogm	6	rm.om	0.0	53	48	0.63
	Roche's Point ..	30.00	50	SSW	5	r	29.81	-.37	50	50	+ 2	SSW	5	r	4	r	*	50	48	0.15
	Pembroke (St. Ann's Hd.)	30.06	49	SW	4	f	29.93	-.36	49	49	+ 5	SW	5	od	5	of	0.0	49	44	0.10
	Scilly	30.17	51	S	4	f	30.02	-.29	51	51	+ 3	SSW	6	f	5	of	0.0	52	45	0.03
	Prawle Point ...	30.26	47	SW	4	0	30.09	-.28	49	49	+ 12	SW	6	omr	5	f.r	*	49	36	0.04
	Jersey (St. Aubin's)	30.35	46	WSW	3	oq	30.22	-.15	48	47	+ 3	SSE	3	om	3	c.rq	*	48	43	0.01
	Hurst Castle ...	30.27	46	SSW	3	c	30.12	-.24	48	47	+ 13	SW	5	dm	3	cm.c	*	48	34	0.10
	Dungeness ...	30.31	42	SW	3	c	30.14	-.15	46	46	+ 7	SSW	5	0	4	b.c	*	47	38	0.01
	North Foreland	30.35	40	NW	2	bc	30.13	-.16	46	45	+ 6	SSW	4	0	3	bc	*	46	38	-
	London (Brixton) ...	30.30	40	SW	3	0	30.09	-.25	47	46	+ 15	SSW	4	0	*	bm.0	0.3	47	32	-
	Oxford	30.23	42	SW	2	0	30.04	-.31	50	48	+ 18	SSW	4	od	*	bc,0,r	*	50	32	0.01
	Cambridge ...	30.27	39	S	1	0	30.04	-.29	48	47	+ 16	SSW	5	c	*	bc,0	4.2	48	30	0.02
	Yarmouth ...	30.24	39	S	2	bc	30.07	-.18	45	44	+ 7	SSW	5	og	4	bcm.bc	*	45	37	0.03
GERMANY & HOLLAND.	Cuxhaven ...	30.30	30	E	1	f	30.14	+.06	33	33	0	SSW	4	0	*	f	*	36	28	-
	Berlin	30.39	29	E	2	b	30.42	+.25	24	23	- 4	SSE	3	b	*	b	*	32	23	-
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30.29	24	2	0	b	30.45	+.35	24	24	- 1	SE	1	0	*	b	*	30	18	0.04
	The Helder ...	30.30	35	SE	1	b	30.10	-.06	39	38	- 2	SW	5	r	2	b	*	41	34	0.08
BELGIUM.	Brussels ...	*	*	*	*	*	30.30	+.09	37	35	?	SSW	5	0	*	0	*	40	34	-
	Cape Gris Nez...	30.30	41	W	2	c	30.07	-.16	42	41	0	SW	5	0	4	c	*	45	37	-
	Paris	30.40	41	N	2	0	30.39	+.18	38	36	- 5	S	3	0	*	0	*	44	37	-
	Brest	30.33	49	SW	2	c	30.19	-.18	50	50	+ 6	SSW	3	c	3	c	*	50	41	0.04
	Lorient... ...	30.36	48	SW	3	bc	30.26	-.13	50	50	+ 4	SW	5	r	5	bc	*	50	45	0.08
FRANCE &	Rochefort ...	30.46	47	NW	2	0	30.41	+.07	45	45	- 2	SSE	4	0	*	c.0	*	52	43	-
	Belfort	30.31	32	2	0	f	30.43	+.38	32	32	- 1	2	0	f	*	f	*	35	32	0.20
	Lyons	30.34	39	NNW	3	r	30.47	+.37	36	33	- 8	NNW	1	0	*	r	*	46	35	0.20
	Nice	30.03	43	2	0	b	30.25	+.28	40	35	- 3	E	4	b	4	b	*	59	40	-
	Perpignan ...	30.24	50	NW	4	b	30.31	+.18	47	41	- 5	NW	3	b	*	b	*	58	44	-
	Biarritz ...	30.43	51	W	3	0	30.36	-.03	47	46	- 4	SE	3	b	3	0	*	55	46	0.08
PENINSULA.	Corunna ...																*			
	Lisbon	30.44	50	NNE	3	b	30.43	-.06	43	43	- 8	NE	3	f	*	b	*	57	43	-
	Azores (P. Delgada)	30.27	62	SW	5	0	30.34	-.04	55	51	- 7	NNE	4	c	3	0	*	64	52	0.12

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

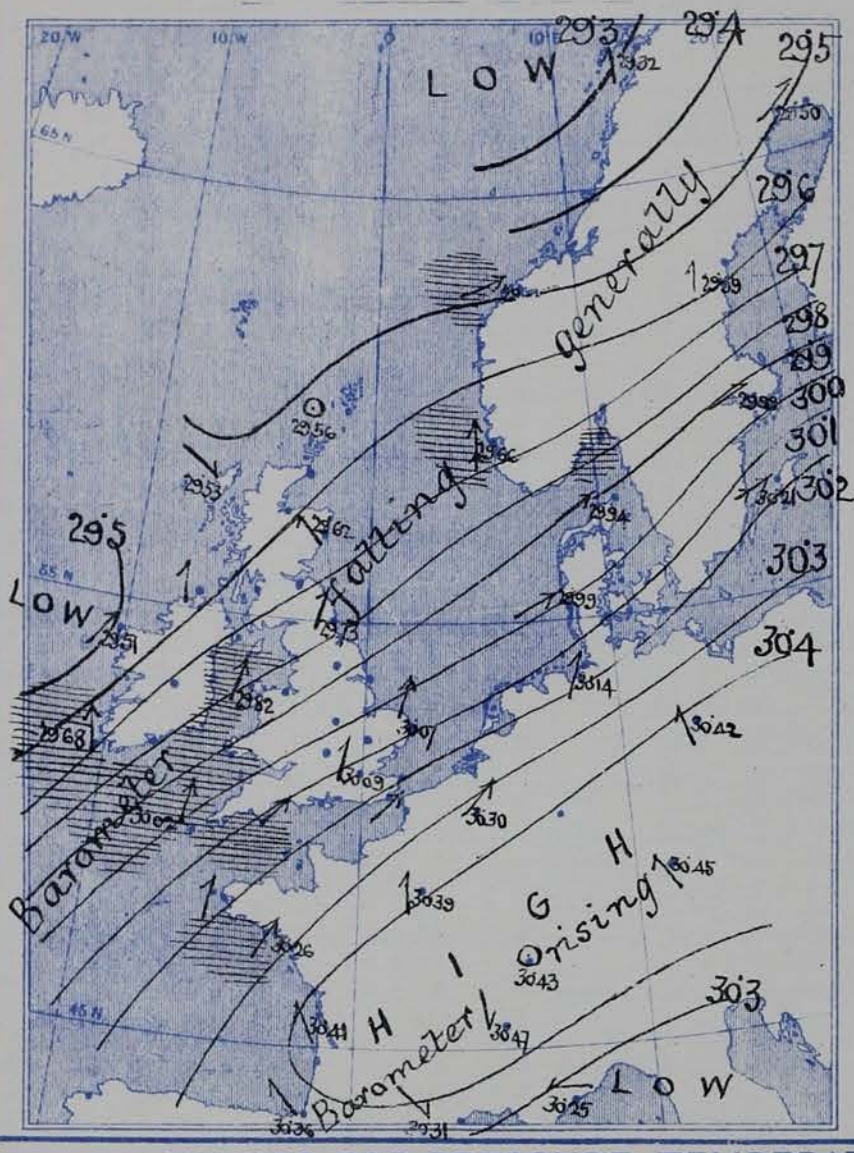
Bright Sunshine yesterday Southport 1.2 hrs; Brighton 5.2 hrs; Hastings 5.7 hrs; Eastbourne 4.7 hrs.

WEATHER CHARTS

FOR Wednesday, 30th December, 1896.

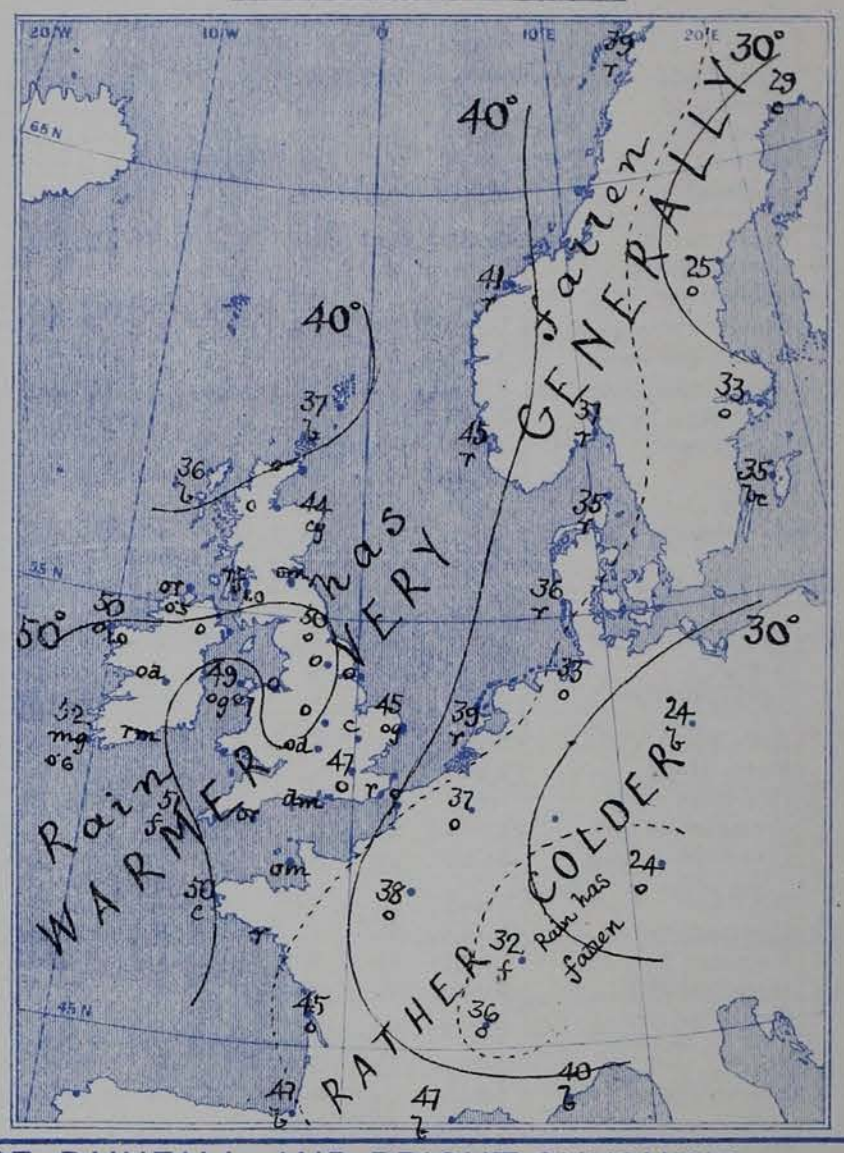
BAROMETER, WIND AND SEA.

BAROMETER Isobars are drawn for each tenth of an inch.
WIND—Arrows show Directions and Force, flying with the wind.
Force above 10 ; *Force 5 to 7* ; *Force 8 to 10* ; *Force 1 to 4* ; Calm ⊙
SEA—*Rough* ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 in: and upwards, in an anticyclone lying over the greater part of France and Germany.
Lowest, 29·3 in: and less, in a depression lying off the northwest of Norway; 29·5 in: and less, in another disturbance off the northwest of Ireland.
Gradients rather steep over all but the extreme northern and southern parts of our area.
Barometer falling at all but the southern French stations.

TEMPERATURE — Highest, 52° at York, Parsonstown, and Valencia (Ireland), 51° at Donaghadee and Scilly, and 50° at Belmullet, Roche's Point, Brest, and Lorient.
Lowest, (1) 24° at Berlin and Munich, and 52° at Belfort; (2) 29° at Haparanda, 33° at Stockholm, and 34° at Karlstad.
In the course of the past 24 hours the thermometer has risen to 50° and upwards at several of the English and Irish stations, and to 53° at Parsonstown and Valencia (Ireland).

WIND — S or SW over Western Europe as a whole; strong in force on our own western coasts, and also in the south of Scandinavia, with a gale at Skudesnaes and Thisby.
Light and rather variable in the extreme north of Scotland and also in the south of France.

WEATHER — Dull generally, with rain on our western and southern coasts, as well as in Norway, Denmark, and the south of Sweden.
Fine in the Shetlands and Hebrides and also in the south of France.
Since yesterday morning rain has fallen over nearly the whole of our Islands and the neighbouring parts of the Continent, the largest amounts being 1·0 inch at Aberdeen and Belmullet, and 0·7 inch at Holyhead.

SEA — Rough or rather so on our western coasts and also off the west and south of Norway, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions continue to move in quick succession along our western coasts, and the gradient over Ireland and England is steadily increasing. S and SW gales are probable in most places, with mild rainy weather.

FORECASTS

For the 24 hours ending at NOON on 31st DEC: 1896.

DISTRICTS.	FORECASTS.
▲10 SCOTLAND NORTH ▲11 SCOTLAND EAST	S winds, strong in places; dull, unsettled, some rain.
▲2 ENGLAND N.E. ▲3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No. 5.
▲5 ENGLAND SOUTH	S and SW winds, increasing in force; mild, squally, some rain.
▲6 SCOTLAND WEST ▲7 ENGLAND N.W. ▲8 ENGLAND S.W. ▲9 IRELAND NORTH ▲10 IRELAND SOUTH	S and SW to W strong winds and gales; squally and rainy at first, some improvement later.
WARNINGS	At 10·20 am to districts 3, 5, and 8. "Hoist South Cone". The signals are now flying on all our coasts.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·11	43	42	SSE	6	o	4
Sumburgh Head	29·68	43	40	SSW	4	o	5
Stornoway	29·60	45	44	SW	7	o	7
Aberdeen	29·93	40	38	SSE	4	o g q	4
Shields	30·07	40	37	SSW	2	o	3
Ardrossan	29·91	44	44	S	5	r	4
Malin Head ...	29·77	45	45	S	6	o	3
Belmullet	29·80	50	50	WSW	5	o	*
Holyhead	30·10	43	42	S	6	g q w	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA
Valencia	29·94	52	52	S	5	r m	6
Scilly	30·22	51	49	SSW	5	o	5
Jersey	30·35	48	44	SW	3	c m	3
Hurst Castle ...	30·32	49	46	SSW	2	c m	2
Dungeness ...	30·30	44	42	NNW	1	b	1
North Foreland	30·34	41	39	NW	3	b o	2
London (Westminster)	30·31	45	41	WSW	2	b m	*
Yarmouth ...	30·26	41	39	WSW	2	b o m	3
Rochefort ...	30·37	50	48	NW	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning fine over England, and also over Scandinavia, Denmark, Spain, and the south of France. Cloudy or dull in nearly all other parts of Europe, with rain in the south of Ireland, and also at Biarritz, Bilbao, and Roudini; snow reported at Ulleaborg and Nicolaieff. Rainy weather spreading later to nearly all parts of our Islands and their immediate neighbourhood, amounts large on our northwest coast.

Temperature rose in Scotland and also over Spain, Central France, and Scandinavia, fallen elsewhere. Morning readings highest, 57° at Malta and La Calle, 55° at Corunna, and 54° at Cagliari and Algiers; above 50° at most of the Mediterranean and Spanish coast stations. Lowest (1) 21° (19° at Prague) at Khartov, 24° at Pertaw and 25° at Munich; (2) 29° at Loughborough and 31° at York. Rising during day to 50° and upwards at several of our western stations, to 55° and upwards in the south of France, and to 59° at Nice. Frosts now taking place over England at night.

Wind S' in the west and north of our Islands, and strong in force on our extreme western coasts; SW' or W' over Scandinavia and northern Russia, with a gale at Bodö. E' or NE' in the south of Russia, variable or SE' over Germany and Austria; N' or NW' over the Netherlands, the south of England, and the greater part of France and Italy. Subsequently backing to the SW^d in the south of England; increasing to a gale from the Sth on some parts of our north and northwest coasts.

Barometer highest 30·49 in: at Corunna and Lisbon; 30·2 in: and upwards, in an anticyclone extending from the Sth over the whole of England, and also in another system over the Baltic, Eastern Germany and the neighbouring parts of Russia and Austria. Lowest 29·5 in: and less, over the extreme northern part of Europe; 29·8 in: and less, in a depression off the northwest of Scotland; 29·9 in: and less, in a shallow area over Greece and the south of Italy. Scotch depression subsequently moving northwards, but new disturbances approaching our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 31st December, 1896.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.45	31	2	0	0	29.64	+ ·14	22	21	− 7	NE	2	0	*	0	*	32	22	—
	Hernösand ...	29.60	35	W	6	b	29.72	+ ·13	24	22	− 11	2	0	bc	*	b	*	37	21	—
	Stockholm ...	29.79	34	SW	2	0	29.83	− ·16	33	33	0	SW	2	f	*	0	*	34	30	—
	Wisby	29.91	34	SW	8	s	29.88	− ·33	37	36	+ 2	NW	4	0	*	s	*	37	28	0·32
	Karlstad ...	29.81	35	SSW	2	r	29.72	− ·16	36	36	+ 2	S	1	r	*	r.s	*	*	*	0·20
	Bodö	29.40	39	E	2	0	29.45	+ ·13	36	33	− 3	ENE	4	bc	1	0	*	39	34	—
	Christiansund ...	29.64	36	E	2	b	29.31	− ·14	39	37	− 2	E	1	0	4	b	*	41	36	0·12
	Skudesnaes ...	29.66	43	SSE	6	0	29.43	− ·23	45	44	0	S	6	r	5	r 0	*	45	39	*
	Færder (Christiania Fjord)	29.78	36	2	0	f	29.65	− ·15	39	39	+ 2	S	3	f	3	f	*	39	30	0·16
	Skagen (The Scaw)	29.79	42	WSW	1	r	29.71	− ·23	42	42	+ 7	WSW	4	0	1	r	*	43	34	0·24
	Fanö	29.91	40	SW	6	r	29.77	− ·22	40	40	+ 4	SW	6	0	*	r	*	40	36	0·43
BRITISH ISLANDS.	Sumburgh Head	29.39	44	SSE	3	0	29.33	− ·23	44	42	+ 7	WNW	3	0	4	0	*	47	35	0·13
	Stornoway ...	29.21	45	ESE	2	r	29.46	− ·07	46	45	+ 10	WSW	3	0	3	r	0·0	46	34	0·53
	Wick	29.23	45	S	3	r	29.44	− ·13	42	41	+ 2	W	3	bc	2	r	*	49	39	0·10
	Nairn	29.26	46	2	0	r	29.49	− ·08	43	41	+ 1	W	1	b	1	r	*	50	39	0·17
	Aberdeen ...	29.39	47	S	5	ogq	29.55	− ·07	41	38	− 3	SW	3	b	3	rgm, ogq	0·0	48	41	0·27
	Leith	29.41	50	WSW	3	0	29.65	+ ·02	47	45	− 1	W	4	c	*	0	*	53	43	0·04
	Shields	29.59	52	SSW	4	0	29.72	− ·01	45	44	− 5	WSW	4	c	2	o.p	*	53	43	—
	Spurn Head ...	29.76	48	S	4	0	29.83	− ·06	44	42	− 3	WSW	3	b	3	0	*	49	44	0·03
	York	29.75	52	SSW	3	0	29.85	·00	47	45	− 5	WSW	3	c	*	0	0·0	53	46	0·03
	Loughborough ...	29.82	51	S	5	0	29.92	− ·04	45	42	− 5	W	5	c	*	o.cq.o.c	*	53	44	—
	Ardrossan ...	29.38	49	S	5	r	29.72	+ ·11	48	47	0	WSW	5	op	4	r	*	49	44	0·41
	Malin Head ...	29.23	49	S	5	or	29.68	+ ·16	47	47	− 1	W	4	op	3	or	*	50	43	0·20
	Belmullet ...	29.32	48	WNW	5	opq	29.77	+ ·26	48	47	− 2	WSW	3	o	*	opq	*	50	44	0·50
	Donaghadee ...	29.45	49	S	7	0	29.79	+ ·14	46	46	− 5	SW	5	c	4	o	*	51	44	0·10
	Liverpool (Bidston)	29.68	52	S	4	0	29.88	+ ·03	47	45	− 4	WSW	6	o	5	o.b.p	*	53	45	0·02
	Holyhead ...	29.58	49	S	8	dgm	29.88	+ ·06	46	45	− 3	SW	5	cm	4	fd, dgm	*	49	45	0·12
	Parsonstown ...	29.42	50	S	2	o	29.90	+ ·23	48	47	− 4	S	1	o	*	od, or	0·0	53	43	0·7
	Valencia ...	29.66	46	WSW	9	opq	29.97	+ ·29	50	48	− 2	SW	4	cm	5	opq	0·0	53	43	0·31
	Roche's Point ..	29.63	47	W	6	bc	30.02	+ ·21	48	46	− 2	W	4	b	4	bcq	*	51	44	0·25
	Pembroke (St. Ann's Hd.)	29.71	49	WSW	6	r	30.05	+ ·12	49	48	0	WSW	5	c	5	r	0·0	49	46	0·07
	Scilly	29.85	51	SW	6	m	30.14	+ ·12	50	48	− 1	W	5	cm	5	cm	0·0	52	47	0·07
	Prawle Point ...	29.95	48	SW	6	r	30.15	+ ·06	46	45	− 3	WNW	4	bc	4	rq	*	49	44	0·22
	Jersey (St. Aubin's)	30.12	51	SSW	5	og	30.23	+ ·01	48	46	0	W	4	bcm	3	c.og.p	*	51	47	0·40
	Hurst Castle ...	30.02	48	WSW	5	cm	30.10	− ·02	45	44	− 3	WSW	4	bc	3	pd, cm	*	49	44	0·10
	Dungeness ...	30.03	48	SSW	6	0	30.02	− ·12	45	44	− 1	WSW	5	c	4	0	*	49	44	0·03
	North Foreland	30.03	48	SSW	6	0	30.03	− ·10	45	44	− 1	SW	3	0	2	0	*	48	44	0·03
	London (Brixton) ...	29.99	50	SSW	3	od	30.05	− ·04	45	43	− 2	WNW	2	bc	*	o.ogd.b	0·0	51	45	0·05
	Oxford	29.87	49	W	4	0	30.03	− ·01	43	42	− 7	WSW	3	b	*	o.og	*	52	43	0·03
	Cambridge ...	29.91	51	SSW	4	0	29.98	− ·06	45	43	− 3	SW	3	0	*	0	0·0	52	43	0·01
	Yarmouth ...	29.94	47	S	3	od	29.91	− ·16	45	43	0	SW	4	bc	3	og, od	*	48	44	0·01
GERMANY & HOLLAND.	Cuxhaven ...	30.84	36	SW	5	r	29.91	− ·23	38	38	+ 5	SSW	4	0	*	d	*	39	33	0·12
	Berlin	30.26	34	SW	3	r	30.14	− ·28	34	32	+ 10	SW	2	0	*	r	*	34	24	0·04
	Wiesbaden ...	*	*	*	*	*	30.25		35	34		SW	1	0	*	*	*	37	34	—
	Munich... ..	30.42	29	SE	2	0	30.29	− ·16	25	25	+ 1	SSE	3	bc	*	0	*	34	24	—
	The Helder ...	30.01	41	SW	5	0	29.88	− ·22	43	42	+ 4	SW	4	0	2	0	*	43	39	—
BELGIUM.	Brussels ...	*	*	*	*	*	30.07	− ·23	41	41	+ 4	SSW	5	r	*	0	*	41	36	0·04
	Cape Gris Nez...	30.06	44	SW	6	0	30.01	− ·06	46	44	+ 4	W	5	0	5	0	*	46	39	0·12
	Paris	30.31	41	S	3	0	30.46	− ·23	43	43	+ 5	SSW	4	r	*	0	*	43	38	0·04
	Brest	30.08	50	SW	4	c	30.33	+ ·14	50	47	0	WNW	3	bc	3	c	*	50	45	0·20
	Lorient... ...	30.17	51	SW	6	0	30.29	+ ·03	48	46	− 2	WNW	5	b	4	0	*	52	41	0·08
FRANCE &	Rochefort ...	30.34	48	S	4	0	30.38	− ·03	48	48	+ 3	W	3	b	*	c.o	*	50	45	—
	Belfort	30.40	34	2	0	m	30.34	− ·09	28	28	− 4	WSW	3	m	*	m	*	36	27	—
	Lyons	30.45	33	S	1	b	30.40	− ·07	31	30	− 5	NW	1	m	*	b	*	40	28	—
	Nice	30.36	46	2	0	b	30.41	+ ·16	40	37	0	ENE	2	bc	1	b	*	55	39	—
	Perpignan ...	30.38	45	2	0	b	30.41	+ ·10	34	33	− 13	SW	2	bc	*	b	*	50	33	—
	Biarritz ...	30.28	50	E	3	b	30.41	+ ·05	50	48	+ 3	S	3	0	3	b	*	54	45	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.45	48	NNW	3	b	30.47	+ ·04	44	44	+ 1	NE	3	f	*	b	*	50	43	—
	Azores (P. Delgada)	30.44	55	NE	2	c	30.45	+ ·11	55	50	0	NNE	3	0	2	c	*	63	54	—

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

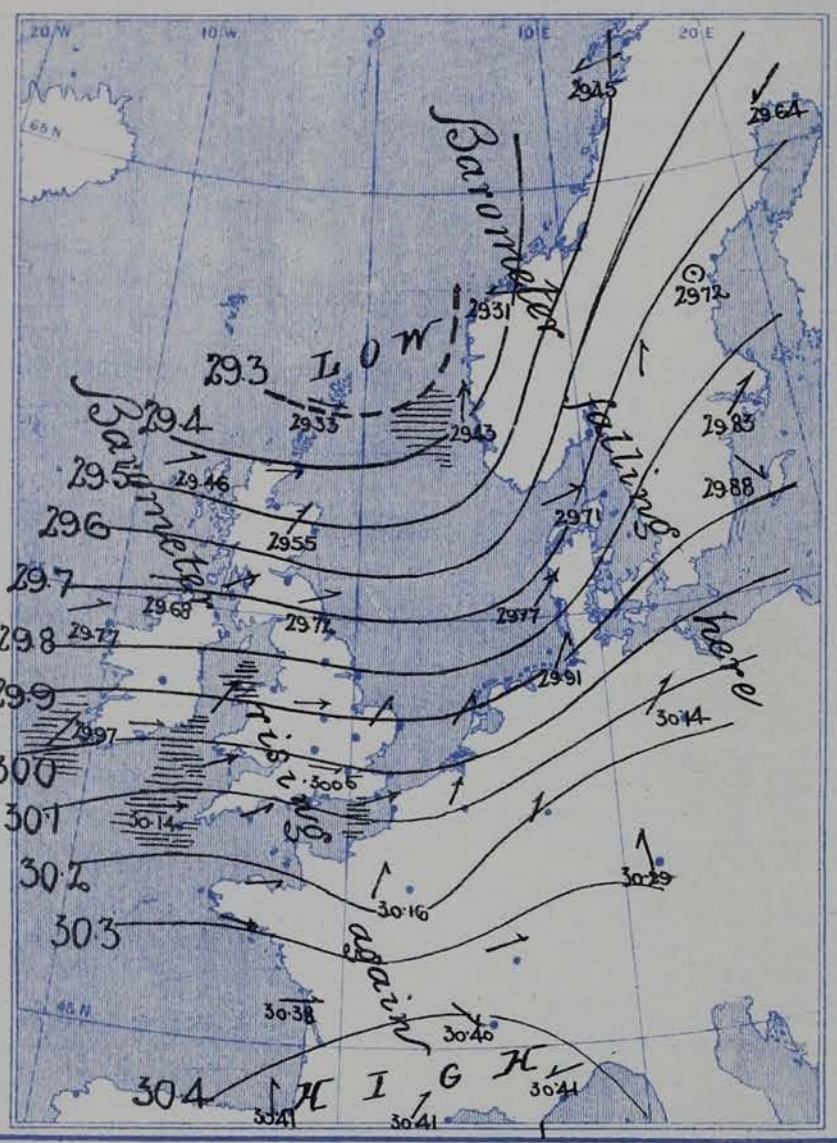
Bright Sunshine yesterday Southport 0·0 hrs; Brighton 0·0 hrs; Hastings 0·0 hrs; Eastbourne 0·0 hrs.

WEATHER CHARTS

FOR THURSDAY, 31st DECEMBER, 1896.

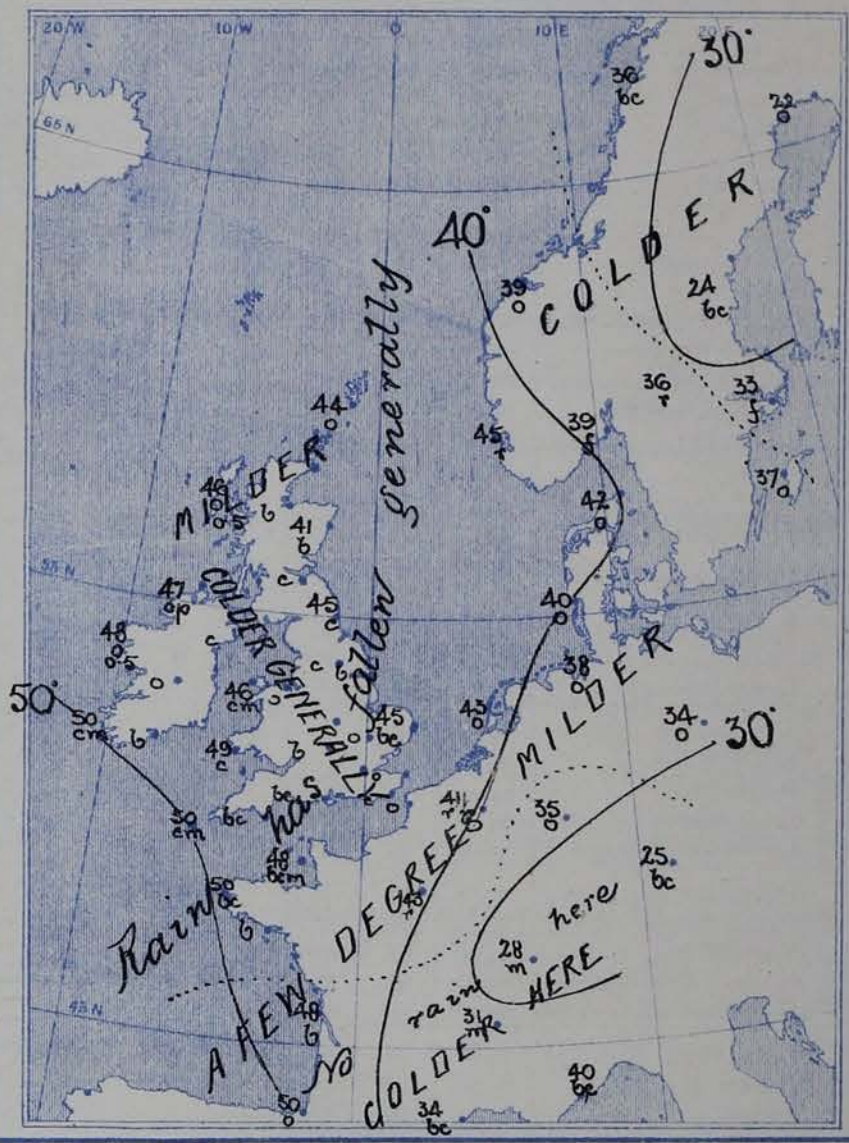
BAROMETER, WIND AND SEA.

BAROMETER Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; Force 5 to 7 ; Force 8 to 10 ; Force 1 to 4 ; Calm ⊙
SEA—Rough ; High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF DECEMBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of: Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Absolute Extremes: Maximum.	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 656	39 · 8	38 · 3	42 · 8	35 · 5	59	1885	19	1877	4 · 27	—	—
Stornoway	29 · 688	39 · 6	38 · 7	43 · 3	34 · 4	54	1880	15	1880	5 · 64	25 · 4	13
Wick	29 · 699	38 · 3	37 · 1	42 · 4	33 · 0	55	1889, 94	10	1880	3 · 17	—	—
Nairn	29 · 727	37 · 2	35 · 7	42 · 2	32 · 4	57	1888, 90, 91, 92, 94	10	1882	1 · 94	—	—
Aberdeen	29 · 758	37 · 0	35 · 3	42 · 0	32 · 8	58	1873	6	1882	3 · 11	39 · 9	20
Leith	29 · 797	38 · 7	37 · 2	44 · 1	33 · 7	58	1873, 88	6	1882	1 · 89	—	—
Shields	29 · 836	38 · 4	37 · 0	43 · 1	33 · 9	59	1873	10	1878, 79	2 · 32	—	—
Spurn Head	29 · 870	38 · 9	37 · 8	42 · 6	35 · 4	55*	1888	19*	1891	2 · 05	—	—
York	29 · 886	36 · 6	35 · 6	42 · 5	32 · 4	59	1888, 91	0	1879	2 · 21	26 · 5	12
Loughborough	29 · 922	36 · 4	35 · 4	43 · 0	32 · 3	59*	1888	7*	1890	2 · 24	—	—
Ardrossan	29 · 809	40 · 3	39 · 1	44 · 7	36 · 2	55	1880	15	1879	3 · 66	—	—
Donaghadee	29 · 840	40 · 4	39 · 5	45 · 8	36 · 3	56	1885, 88, 94	20	1879	2 · 85	—	—
Holyhead	29 · 876	42 · 8	41 · 2	46 · 5	39 · 2	56	1872, 88	25	1874	3 · 83	—	—
Liverpool	29 · 891	39 · 0	37 · 3	43 · 8	35 · 7	59	1891	13	1878	2 · 62	—	—
Parsonstown	29 · 891	38 · 3	37 · 0	45 · 1	33 · 5	58	1877	8	1878	3 · 09	45 · 0	20
Valencia	29 · 900	45 · 0	42 · 9	49 · 9	40 · 4	57	1884, 88	24	1886	5 · 93	43 · 9	19
Roche's Point	29 · 908	43 · 5	42 · 1	48 · 2	39 · 4	58	1873	25	1882	5 · 16	—	—
Pembroke	29 · 914	43 · 9	42 · 6	47 · 0	40 · 5	55	1876	19	1890	3 · 96	46 · 0	20
Scilly	29 · 950	47 · 4	45 · 5	49 · 8	43 · 6	57	1876	30	1890	4 · 00	—	—
Prawle Point	29 · 970	42 · 8	41 · 4	47 · 3	38 · 5	55*	1881, 88	25*	1885, 87, 90	3 · 77	—	—
Jersey	29 · 993	43 · 5	41 · 7	47 · 7	39 · 7	61	1876	19	1871	3 · 76	62 · 6	25
Hurst Castle	29 · 962	40 · 9	40 · 1	45 · 9	36 · 7	58	1876	19	1890	2 · 77	—	—
Dover	29 · 954	40 · 0	38 · 9	44 · 7	35 · 9	56	1880	12	1890	2 · 79	—	—
LONDON	29 · 956	38 · 0	36 · 8	44 · 3	34 · 0	58	1873, 88, 91	11	1878	2 · 11	11 · 8†	5†
Oxford	29 · 956	37 · 1	36 · 0	43 · 2	33 · 6	58	1888	6	1878	2 · 10	41 · 8	18
Cambridge	29 · 941	36 · 4	35 · 6	43 · 2	31 · 6	59	1878, 88	0	1879	1 · 82	41 · 2	18
Yarmouth	29 · 915	38 · 1	37 · 1	42 · 2	33 · 8	56	1873	15	1879	2 · 53	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in an anticyclone lying over the Spanish peninsula and the S. of France.
Lowest 29.3 ins. and less in a depression lying off the west of Norway.
Gradients moderate to rather steep over NW. Europe generally, but slight over France & Germany.
Barometer rising in our Islands and also in the W. and S. of France, falling in most other parts of our area.

TEMPERATURE

Highest 50° at Valencia (Ireland), Scilly, Brest and Biarritz, 49° at Pembroke, and 48° at Belmullet, Parsonstown, Roche's Pt., Jersey, Lorient and Rochefort.
Lowest (1) 22° at Haparanda, 24° at Hernösand, and 33° at Stockholm; (2) 25° at Munich, 28° at Belfort & 31° at Lyons, and
During yesterday the thermometer rose to 50° and upwards in many parts of the United Kingdom, and to 53° at some of our western and northern stations.

WIND

Moderate to fresh from W. or SW. over our Islands, the Netherlands, Denmark, Germany & the N. of France, S. in the south of Scandinavia, E. in the west of Norway; variable in the south of France.
During the past 24 hours a moderate to fresh gale from the S. or SW. has been experienced in many parts of our Islands.

WEATHER

Fair at present over the greater part of our Islands and France, but dull and showery on our extreme northwest coasts.
Rainy at Brussels and Paris, and also in the S. of Scandinavia, dull in Germany and Denmark; fine at some of the northern stations in Scandinavia.
Rain fell yesterday over nearly the whole of our Islands and their neighbourhood, the largest amounts being 0.5 in. at Stornoway and Belmullet.

SEA

Rather rough on our SW. coasts, and also at Liverpool, Cape Gris Nez, Skudesnaes and Lorient, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching our W. coasts yesterday has travelled away to the NE. The barometer is at present rising in the west, but the change at Valencia is very slight, and the general appearance is still unsettled.

FORECASTS

For the 24 hours ending at NOON on 1st JANUARY 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. to SW. or S. winds, fine at first, some rain later.
1 SCOTLAND EAST	
▼ 2 ENGLAND N.E.	
▼ 3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	
▼ 5 ENGLAND SOUTH	SW. winds, freshening; fine at first, some rain later.
6 SCOTLAND WEST	
7 ENGLAND N.W.	SW. to S. winds, increasing in force; fair at first, then squally and rainy.
▼ 8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	The South Cone is still flying in districts 2, 3, 5 and 8.

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.70	45	45	SSW	2	r	5
Sumburgh Head	29.53	41	40	SSE	1	o	4
Stornoway	29.38	46	45	S	3	r	3
Aberdeen	29.51	46	46	S	1	orgm	4
Shields	29.49	52	50	SSW	2	o	2
Ardrossan	29.48	49	49	S	5	r	4
Malin Head ...	29.32	50	49	S	6	o	3
Belmullet	29.33	50	49	SW	5	o	*
Holyhead	29.71	48	48	S	7	dqf	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.47	53	51	S	6	ogq	6
Scilly	29.91	52	51	SSW	6	am	5
Jersey	30.15	50	50	S	4	c	4
Hurst Castle ...	30.07	48	47	SW	5	pam	3
Dungeness ...	30.08	47	47	SSW	4	o	3
North Foreland	30.10	47	47	SSW	4	o	3
London (Westminster)	30.03	51	49	SW	3	o	*
Yarmouth ...	29.97	48	47	SSW	4	og	4
Rochefort ...	30.37	49	48	SSW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull over the greater part of our Islands and the Continent, with rain on our W^rn. and S^rn. coasts, as well as in Norway, Denmark and the S. of Sweden; rain falling also at Brindisi. Fine in the Shetlands and Hebrides, as well as over Spain, the S. of France and N^rn. Italy. Rain falling later over nearly the whole of our Islands and their neighbourhood,—rather heavily in the extreme NW.

Temperature risen briskly in our Islands, and to a less extent on the E^rn. shores of the North Sea and in Italy, fallen elsewhere. Morning readings highest (1) 56° at Algiers, 55° at La Calle, and 53° at Malta, (2) 52° at York, Parsonstown and Valencia (Ireland); touching 50° or more in several parts of Ireland and England. Lowest (1) 20° at Prague, 21° at Neufahrwasser, and 22° at Warsaw, (2) 20° at Archangel, and 25° at Uleaborg; below the freezing point over E^rn. and central Europe generally. Rising during day to between 50° and 53° in many parts of our Islands and France, and reaching 55° at Nice.

Wind S^ly. or SW^ly. over northwestern and northern Europe generally; strong in force on our own W^rn. coasts, and blowing a gale at Skudesnaes, Wisby and Hangö. N^ly. in the south of Russia, variable over Austria and S. Germany; E^ly. to N^ly. over Italy, Spain and the S. of France. Subsequently increasing to a moderate or fresh gale in many parts of our Islands; veering to the W^rd. in Ireland in evening.

Barometer highest 30.5 ins. and upwards over central Spain, and also over Poland and E^rn. Germany. Lowest 29.3 ins. and less in a depression off the NW. of Norway, 29.5 ins. and less in another disturbance off the NW. of Ireland; 29.9 ins. and less in a shallow system to the S^wd. of Sicily. Depression off Irish coasts subsequently advancing NE^wds., and barometer falling briskly over the N^rn. parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
DATE.	STATIONS.	At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	29·58	61	SE	4	o	29·56	-·23	61	57	+ 3	SE	5	o	2	o	-	64	54	0·08
2	Cape Gris	29·93	36	SE	2	m	29·78	-·25	37	-	+ 5	SE	3	o	3	m	-	39	28	-
-	Corunna	29·51	64	S	3	b	29·79	+·23	57	54	- 4	S	3	o	2	b	-	66	54	0·08
-	Azores (P. Delgada)	29·95	57	NNW	4	c	30·05	+·50	58	54	- 1	N	2	c	2	c	-	63	54	-
3	Corunna	29·69	56	WNW	3	bc	29·75	-·04	53	50	- 4	S	5	o	4	bc	-	66	48	0·12
5	Brest	28·84	49	NW	6	bc	29·43	?	48	46	- 3	W	5	c	5	bc	-	54	36	0·79
-	Corunna	29·69	?	W	9	f	29·55	-	49	49	-	S	3	f	8	f	-	57	45	0·04
6	Wiesbaden	-	-	-	-	-	29·23	-·34	33	—	-2	NE	2	o	-	-	-	37	32	-
-	Corunna	30·14	63	SW	9	f	29·09	-·46	49	-	0	W	?	?	7		-	64	49	0·20
7	Biarritz	29·25	53	W	8	r	29·76	+·79	50	-	- 5	WSW	7	r	7		-	61	46	0·35
..	Corunna	29·40	48	WNW	9	c	29·95	+·86	45	-	- 4	NW	2	c	7		-	66	45	0·12
8	Corunna	30·06	53	WNW	6	bc	29·70	-·25	51	47	+ 6	S	9	o	5	bc	-	64	45	-
..	Azores (P. Delgada)	29·89	59	NW	4	b	30·10	+·19	54	50	- 5	NNW	3	bc	3	b	-	64	54	0·04
9	The Helder	29·78	43	SW	3	c	29·99	+·12	37	-	- 6	SSE	1	o	1	c	-	?	37	0·08
..	Brest	29·43	48	S	6	r	29·75	+·01	47	46	- 3	WNW	5	c	6	r	-	52	43	0·20
..	Corunna	29·72	50	NNW	6	f	30·16	+·44	46	46	- 5	S	3	f	7	f	-	55	45	0·87
10	Corunna	30·20	56	ESE	6	b	29·98	-·18	54	50	+ 8	SE	8	o	5	b	-	57	46	-
11	Corunna	29·93	50	W	3	r	30·17	+·19	45	43	- 9	SW	1	f	?	r	-	57	43	0·51
12	Corunna	30·19	48	SW	3	b	30·16	-·01	45	-	0	S	6	o	7	b	-	50	?	0·16
13	Corunna	30·08	54	SW	1	o	30·15	-·01	50	-	+ 5	SW	3	o	4	o	-	55	45	-
14	Corunna	29·89	57	SW	8	o	30·01	-·14	54	-	+ 4	NE	2	c	3	c	-	61	50	0·24
15	Corunna	29·90	54	W	6	c	30·10	+·09	46	-	- 8	NW	5	c	5	c	-	55	46	-
16	Corunna	30·15	52	NW	3	b	30·13	+·03	46	43	0	SW	3	f	5	b	-	55	39	-
-	Azores (P. Delgada)	30·19	63	SW	5	o	30·10	-·15	62	61	0	SW	5	r	5	o	-	64	49	-
17	Corunna	29·98	52	S	3	o	29·72	-·41	56	55	+ 10	SW	1	f	4	o	-	57	46	0·71
18	Corunna	29·52	59	SW	4	bc	29·30	-·42	52	49	- 4	NW	3	o	3	bc	-	59	46	0·35
19	Corunna	29·41	52	N	7	f	29·86	+·56	46	42	- 6	NE	4	o	4	f	-	55	37	0·20
..	Lisbon	29·64	53	NW	5	o	29·79	+·13	49	44	- 2	N	4	bc	-	o	-	55	48	0·20
21	Cape Gris Nez	30·17	37	ENE	4	r	30·14	+·13	33	-	- 6	SE	1	o	1	r	-	41	?	?
..	Corunna	30·21	50	E	2	b	30·12	-·09	47	42	+ 7	SE	2	f	2	b	-	50	36	-
..	Azores (P. Delgada)	30·15	59	NNE	4	o	30·21	+·19	59	-	- 2	NE	3	o	2	o	-	64	55	-
22	Cape Gris Nez	30·16	37	NW	2	o	30·17	+·03	33	-	0	S	2	m	2	o	-	41	30	0·04
..	Lorient	30·04	45	S	5	o	29·96	-·19	42	-	+ 1	SE	5	r	6	o	-	45	37	0·32
..	Corunna	30·05	50	S	6	o	30·10	-·02	48	45	+ 1	SW	3	f	4	o	-	50	45	0·20
23	Corunna	30·07	50	W	1	b	30·19	+·09	52	50	+ 4	NW	6	f	5	b	-	54	48	0·28
24	Corunna	30·21	53	NW	3	c	30·35	+·16	45	44	- 7	N	2	f	4	c	-	54	43	-
..	Azores (P. Delgada)	30·50	61	SW	5	c	30·51	+·01	60	60	+ 2	WSW	4	c	3	c	-	63	58	0·12
25	Corunna	30·33	54	W	2	b	30·50	+·15	52	51	+ 7	S	2	f	5	b	-	54	45	-
26	Liverpool	30·16	45	SW	3	bc	30·03	-·11	52	49	+ 14	SSW	3	o	3	bc	-	52	37	0·04
-	Cape Gris Nez	30·41	41	N	2	c	30·40	+·41	43	-	+ 1	SW	5	o	5	c	-	45	39	-
..	Corunna	30·51	54	W	3	b	30·60	+·10	43	41	- 9	E	3	bc	?	b	-	?	?	-
27	Corunna	30·58	53	E	2	o	30·60	·00	51	50	+ 8	NW	1	c	?	o	-	54	43	0·04
28	Corunna	30·57	56	E	3	f	30·55	-·05	54	52	+ 3	W	2	o	5	f	-	57	50	-
29	Corunna	30·50	56	W	3	o	30·49	-·06	55	53	+ 1	NW	2	f	6	o	-	57	50	?
30	Corunna	30·45	55	W	2	f	30·36	-·13	51	50	- 4	S	2	o	4	f	-	57	45	-
31	Corunna	30·34	54	SW	3	o	30·43	+·07	50	50	- 1	S	3	f	4	o	-	55	48	-

REPORTS FOR DECEMBER 1896

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
2	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·06
..	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?41	-
3	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
..	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-
4	Donaghadee	-	-	-	-	-	-	-	-	-	-	WNW	-	-	-	-	-	-	-	-
-	Shields 2 p.m.	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
7	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-
8	Nairn	-	-	-	-	-	29·45	+·35	-	-	-	-	-	-	-	-	-	-	-	-
-	Scilly	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-	43	-
..	Dungeness	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	-
12	Stornoway	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-
13	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·0	-	-	-
14	Belmullet	29·31	41	ESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	London	-	-	-	-	-	-	-	-	?38	-	-	-	-	-	-	-	-	-	-
15	Belmullet	-	-	-	-	-	29·80	+·35	-	-	-	-	-	-	-	-	-	-	-	-
17	Sumburgh Hd.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·38
-	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-
19	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Aberdeen	-	-	-	-	-	-	-	32	31	-2	-	-	-	-	-	-	-	-	-
22	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	-
25	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
..	Malin Head	-	-	-	-	-	29·64	-·30	-	-	-	-	-	-	-	-	-	-	-	-
..	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
27	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
28	Spurn Head	-	-	-	-	-	29·76	-·40	-	-	-	-	-	-	-	-	-	-	-	-
..	Prawle Point	-	-	-	-	-	-	-	-	-	-	SW	-	-	-	-	-	-	-	-
29	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3·6	-	-	-
..	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
..	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·21
30	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
..	Yarmouth	-	-	-	-	-	30·03	-·22	-	-	-	-	-	-	-	-	-	-	-	-
31	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·21